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SURFACE OBSERVATION CLIMATE SUMM

100

MASSING AFB GA

REPORT BY

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ASHVILLE, NORTH CAROLINA  
28401-2723

50TH 100 1000

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USAFSTAC/OS-89/P13

OBSERVATION CLIMATIC SUMMARIES

FOR

MISSING AREA GA

PREPARED BY

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29901-2703

SEPTEMBER 1989

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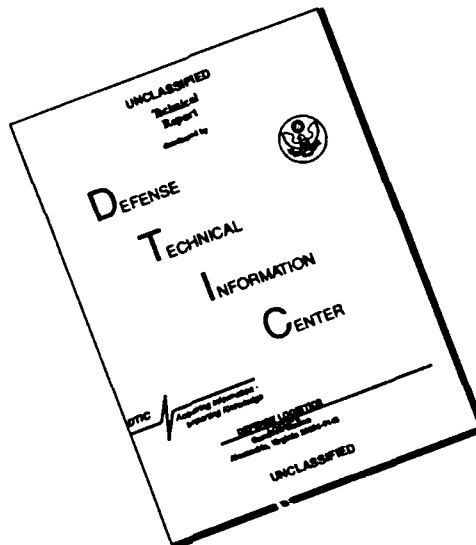
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FOR THE COMMANDER

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WALTER S. BIRGMAN  
SCIENTIFIC AND TECHNICAL INFORMATION  
PROGRAM MANAGER



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18. SUBJECT TERMS: CLIMATOLOGY, METEOROLOGICAL WEATHERING, CLOUD COVER, SNOW DEPTH, HUMIDITY, GUST, TEMPERATURE, VISIBILITY, WIND, SOCS, ADDITIONAL  
19. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARY CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TO USAF, CIVILIAN, AND FOREIGN OBSERVING STATIONS. FROM A 10-YEAR PERIOD OF RECORD (200). "SUMMARY OF DAY" (S FROM ALL AVAILABLE DATA IN THE DL-A CLIMATIC DATABASE  
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22A. NAME OF RESPONSIBLE INDIVIDUAL: JOSELYN J. HESTER  
22B. TELEPHONE: 704 253-0233 ADDITIONAL 697-8369

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REPORT NUMBER: USAFETAC/OS-89/212

LOCATION: OPERATING LOCATION A, USAFETAC

ASHEVILLE, NC 28801-2723

CLIMATIC SUMMARIES (SICS) FOR DODDINS AFB GA

MAY

1949 TO MAY 1988

1988 15. PAGE COUNT: 375

ON JULY 1 JULY 1988, THIS REPORT REPLACES THE USAFETAC  
CLIMATIC SUMMARY OF SURFACE WEATHER OBSERVATIONS  
CLIMATIC SUMMARY (LISICS). EXISTING  
LISICS, BUT WILL EVENTUALLY BE REPLACED BY A SICS.

OSR-88

CLIMATIC DATA, ATMOSPHERIC PHENOMENA,  
WIND DIRECTION, HUMIDITY, PRESSURE, PRECIPITATION,  
AND SICS. DODDINS AFB GA.

CLIMATIC SUMMARIES (SICS) PROVIDE STATISTICAL  
SUMMARIES OF WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED  
STATIONS. WEATHER OBSERVATIONS ARE SUMMARIZED FROM  
A "SUMMARY OF DATA" (SOD) INFORMATION IS SUMMARIZED  
CLIMATIC DATABASE. *Rev. 1-88*

APPROPRIATE: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION.

CLASS: UNCLASSIFIED

NAME: JUDITH J. HOSIER, JR.

DATE: 1987-03-01

220. OFFICE SYMBOL: DL-A/CA, USAFETAC

## PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATE SUMMARY AND STATION OBSERVATION PRODUCTS (FUNDING STATEMENT UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND OBSERVATION CLIMATE SUMMARY). RUSSANS AND LIGOR TIME TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS. IT WAS FIRST INTRODUCED IN THE EARLY 1940'S AS THE "SUMMARY," ORIGINAL "RUSSANS," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS." IN 1946, THE RUSSANS GRADUALLY EVOLVED INTO THE "SUMMARY," WHICH FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATE SUMMARY" JULY 1988.

THE SUMMARY (LIKE ITS PREDECESSORS) IS EDITED BY W. A. AT ASHEVILLE, NC 28801-2723. HERE, CLIMATE SUMMARY EDITOR TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS, ITALY, CIVILIAN, AND FOREIGN REPORTING STATIONS. IN THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STATION WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY COVERED THE NIGHT (A-H). THE ADDITIONS ARE THE OBSERVATION AND PRECEDING EACH PART IS A BRIEF DISCUSSION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS

— 2 —

PRODUCTS OF LONG STANDING: THE RUSSIAN (REVISED  
OTHER OBSERVATIONS) AND LISOS (LIMITED SURVEY).  
RUSSIAN AND LISOS NOW IN EXISTENCE WILL CON-  
TINUALLY BE REPLACED BY SDC.

IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT  
 APPEARS AS THE "SFCOSM," OR "SURFACE SUMMARY," THE  
 "SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEPEND-  
 ENTLY INVOLVED INTO THE "JOSM" AND THE "LICOS." IT  
 IS A "OBSERVATION CLIMATIC SUMMARY" OR "SFCOS" IN

THIS IS PREPARED BY USAF-PAO'S OPERATING LOCATION.  
A. PAO, CLIMATELOGISTS USE STATE-OF-THE-ART DATA  
WEATHER OBSERVATIONS COLLECTED FROM SELECTED MIL-  
ITARY STATIONS. SUMMARIES ARE PREPARED FROM DATA  
QUALITY-CONTROLLED, AND STORED IN USAF'S RECORDING SUP-

THIS PRODUCT ONLY THE SIX PARTS, SAYS PREVIOUS  
AND THE CROSSING AND DATING-CORRELING, RECENT DAY SUMMARIES.  
DESCRIPTION OF THAT PARTICULAR PART, A DESCRIPTION  
THE OF THE DATA IS PRESENT).

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 MINIMUM.....  
 MEAN.....  
 MONTHLY TEMPERATURES (PER 1000 HOURS).....  
 MAXIMUM.....  
 MINIMUM.....  
 MEAN.....  
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 HEATING DRAFTS.....  
 COOLING DRAFTS.....





## INTRODUCTION

### STATION PERIOD OF RECORD:

HOURLY OBSERVATIONS: JUN 74 - MAY 84 (AIRWAY)

SUMMARY OF DAY DATA: SEP 44 - JAN 83 (FULL T)

SUMMARY OF DAY DATA: FEB 83 - MAY 84 (PART T)

HOURS SUMMARIZED: 00-23 LST (SEP 44 - JAN 83)

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "SUMMARY OF DAY DATA," DEPENDS ON THE PERIOD SUMMARIZED. THE TWO SOURCES ARE DEFINED IN THE

### TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION IS A DISTRIBUTION OF TWO RELATED VARIABLES. A BIVARIATE DISTRIBUTION OF CLOUDS AND VISIBILITY IS AN EXAMPLE OF A BIVARIATE DISTRIBUTION. A BIVARIATE DISTRIBUTION IS A DISTRIBUTION OF TWO VARIABLES. THE TWO VARIABLES ARE CLOUDS AND VISIBILITY. THE TWO VARIABLES ARE CLOUDS AND VISIBILITY. THE TWO VARIABLES ARE CLOUDS AND VISIBILITY.

HOURLY OBSERVATIONS: ALL RECORD OF RECORD-SPECIFIC DATA (OR EQUIVALENT) AT SCHEDULED HOURS.

SUMMARY OF DAY (SID) DATA: DATA COMPILED FROM ALL SOURCES, INCLUDING HOURLY OBSERVATIONS, OR AN ACTUAL "SUMMARY OF DAY" DATA RECORDED IN ONE (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: ONLY OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE

MEASURABLE AMOUNT: ANY PRECIPITATION OR SIGNIFICANT TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS THE AVERAGE OF THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, THE PERCENT OCCURRENCE FREQUENCY (POF) IS THE PERCENT OCCURRENCE FREQUENCY (POF) OF A GIVEN EVENT. AS THE PERCENT OCCURRENCE FREQUENCY (POF) OF A GIVEN EVENT IS GIVEN AS A PERCENT OF ALL OCCURRENCES (PERIOD SUMMARIZED). FOR EXAMPLE, IF WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL

## INTRODUCTION

JUN 74 - MAY 84 (AIRWAYS).

SEP 45 - JAN 63 (FULL TIME).

JUN 63 - MAY 84 (PART TIME).

23 LST (SEP 45 - JAN 63), 06-23 LST (FEB 63 - MAY 84).

THIS ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/ OR REPORTS ON THE PHENOMENA OR OCCURRENCE BEING OBSERVED AND DEFINED IN "TERMS EXPLAINED."

A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTION OF TWO VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF VISIBILITIES IN PART 9. EACH ROW AND EACH COLUMN DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCY DISTRIBUTION IS THE INTERSECTION OF THE ROW AND COLUMN DISTRIBUTIONS.

RECORDED OR RECORDED-SPECIAL OBSERVATIONS IN AWS FORMS (10/10A) AT SCHEDULED HOURLY INTERVALS.

THIS DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL DATA, OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A FOR GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OBSERVATION DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

VALUES DIVIDED BY THE NUMBER OF VALUES.

PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A

WITH THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS ODD, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE

PERCENT (PDF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES AN EVENT OCCURS. IN THE SACS, THIS IS EXPRESSED AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE. FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS, THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT. THIS MAY BE USED INTER-CHANGEABLY WITH "PERCENT FREQUENCY".

NUMBER OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID OR EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION, IN THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. IN DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE STOS ARE EXPRESSED (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST SIGNIFICANT SHOWFALLS IN OBSERVATION COUNTS.

#### ABBREVIATIONS USED:

AMT	AMOUNT	LT
ANN	ANNUAL	"
BARO	BAROMETER	MM
C	CENTIGRADE (CELSIUS)	MM
DEG	DEGREE	MCG
DR	DRY BULB TEMPERATURE	MTAS
DP	DEW POINT TEMPERATURE	MM
E	EQUAL	"
F	FAHRENHEIT	LST
FRZG	FREEZING	DEF
FT	FEET	PRECIP
GE	GREATER THAN OR EQUAL TO	"
GMT	GREENWICH MEAN TIME	GR
GT	GREATER THAN	TEMP
IN	INCHES OF MERCURY	TEMP
HT	HEIGHT	VIS
KTS	KNOTS	VIS
LE	LESS THAN OR EQUAL TO	"
LST	LOCAL STANDARD TIME	WIND
		JTC

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA.

\* JTC REPLACED GMT ON 1 AUGUST 1966

THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER

MEASURE OF DISPERSION OR THE VARIABILITY OF THE  
 BUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD  
 OF THE VARIABILITY.

VALUES IN THE SDCS ARE EXPRESSED IN LOCAL STANDARD TIME  
 MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS.  
 DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE  
 6-HOUR PERIODS (ALL LST):

1200-1400  
 1500-1700  
 1800-2000  
 2100-2300

PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE  
 IN OBSERVATION COUNTS.

LT	LESS THAN
M	METER
MM	MILLIMETER
MPH	METERS PER SECOND
MSL	MEAN SEA LEVEL
MEAS	MEASURABLE
NO.	NUMBER
NOBS	OBSERVATION
NOST	OBSERVATION
POF	PERCENT OCCURRENCE FREQUENCY
PRECIP	PRECIPITATION
SD	STANDARD DEVIATION
SUM	SUMMARY OF DAY
TEMP	TEMPERATURE
TSTM	THUNDERSTORM
VSPY	VISIBILITY
VSN	VISION
WB	WET BULB TEMPERATURE
WBAH	WAS FORM 10/10A
UTC	COORDINATED UNIVERSAL TIME

A DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SDCS.

1966

STATION ID.		STATION NAME		LOCATION	
IN SUMMARY		DRAVING AFB, MARIETTA GA		1 33 56	
722273					
STATION LOCATION AND ELEVATION DATA					
N	GEOGRAPHICAL LOCATION & NAME		T	A	T L
L			S	F	T
1	A	AAF GA	AAF	S	46
2	M	AAF GA	AAF	J	48
3	D	AAF GA	S	M	50
4	S		S	M	54
5	S		S	F	56
6	S		S	J	58
7	S		S	S	63
8	S		S	M	68
9	S		S	M	69
10	S		S	J	73
11	S		S	F	75
12	S		S	M	77

SURFACE WIND EQUIPMENT INFORMATION					
N	LOCATION		TYPE OF TRANSMITTER		TY
L					CO
1	S	46	A	3	S
2	J	48	J		S
3	J	50	A		ML-
4	M	54	S		S
5	M	56	S		S
6	M	58	S		S
7	M	63	500'S & 1200' A	7-8	AL/500-11
8	M	68	500'S & 1200' F	10	S
9	J	73	500'S & 1250' S	11	GM-20
10	J	77	S		S

LATITUDE	LONGITUDE	FLD ELEV (FT)	CALL SIGN	IMO NUMBER
1 33 55	4 04 31	1060	MSF	72227

# STATION AND INSTRUMENTATION HISTORY

A T L				LATITUDE	LONGITUDE	FLD (FT)	BARO (FT)	PER DAY
R		T						
S	40	M	40	1 33 55	4 04 31	1009	1016	24
J	41	F	50	S	S	1040	S	24
M	50	F	60	S	S	S	S	24
M	55	J	63	S	S	1078	S	24
F	63	J	65	S	S	S	1083	18
J	63	A	63	S	S	S	S	24
S	63	M	65	S	S	S	S	18
M	67	M	69	S	4 04 32	S	S	24
A	69	J	72	S	S	S	S	18
J	73	J	75	S	4 04 31	1068	1016	12
F	75	F	77	S	S	S	S	24
M	77	J	82	S	S	S	S	10

# STATION INFORMATION

TYPE OF TRANSMITTER	TYPE OF RECEIVER	HT ABOVE GROUND	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
S	S	32	
S	N	N/A	
S	ML-144	53	
S	S	102	
S	S	75	
S	S	48	
A4/GM-11	60-2	21	
S	S	S	
GM-20	S	21	
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PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDER

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, ICE  
PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN

HAIR: ALL OCCURRENCES OF HAIR.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORT  
MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED.  
THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES  
IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CAT  
SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES  
TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE  
REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PER  
CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEG

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (I  
SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS  
FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

1. OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

2. DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

3. FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

4. SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE  
PELLETS (SOMETIMES KNOWN AS SMALL HAIL).

5. ICE.

6. ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE  
PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION,  
THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES

7. FOG, ICE FOG, AND GROUND FOG.

8. VIB, OR COMBINATIONS OF THE TWO.

9. FLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

10. BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

11. CONDITIONS TO VISION CATEGORY ACCOUNTS FOR BLOWING

12. THIS CATEGORY INCLUDED ALL REPORTS OF OBSTRUCTIONS  
TO VISION. IF MORE THAN ONE OBSTRUCTION TO VISION MAY BE  
REPORTED, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL  
CATEGORIES IN THIS CATEGORY.

13. OCCURRENCE FREQUENCY.

14. OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA  
FROM ALL OBSERVATIONS ONLY, AND IS SUMMARIZED AS

15. BY TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

16. ALL HOURS COMBINED).

17. ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (10).  
THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED BY  
DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL Y

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.  
THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THE  
THUNDERSTORM OBSERVATION. DATA IS SUMMARIZED SAME AS THE

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE  
THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND  
DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL DATA

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. DATA  
RECORD (ON AND FORMS 10/10A) AND TRANSMIT LONGER ONLY  
PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS  
JANUARY 1966, BUT SYNOPTIC STATIONS ALWAYS DID. METAR  
STATIONS STARTED RECORDING ALL ATTEMPTING TO REPORT  
CONTINUED TO TRANSMIT ONLY THE HIGHEST CLOUD. FOR SYNOPTIC  
OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY IN 1966.  
THESE PROCEDURES, THE USARFAC DATABASE WOULD BE ONLY  
THEREFORE, THE INSTRUCTION TO VISIBILITY (AND IT'S LOCATION)  
SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE DIFFERENT.

NOTE 2: FOREIGN METAR REPORTING STATIONS--USARFAC  
VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF "0.0" IN ANY COLUMN REPRESENTS  
AGGREGATE, AMOUNT TO LESS THAN .0001 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THIS TABLE ONLY  
ALL/12 WEEKEND OCCURRENCE OF CERTAIN PHENOMENA.

PERCENT OCCURRENCE FREQUENCY (P.O.F.).

IN PART A THAT IS DERIVED FROM SUMMARY OF DAY  
ENTIRELY AND ANNUALLY FOR ALL YEARS COMBINED.

PERCENT FREQUENCY.

OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED IN  
IS SUMMARIZED AS AT FIRST TABLE IN THIS PART.

PERCENT OCCURRENCE FREQUENCY.

OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND  
SPECIFIED BY THE LOCAL WEATHER STATION.

CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS  
ALL TRANSMIT LONGER ONLY THE HIGHEST ORDER ATMO-  
SPHERIC VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN  
1970. METAR IS ALWAYS 1000 FT. IN JANUARY 1970, METAR  
STATIONS REPORTED ONLY THAT AFFECTED VISIBILITY, NOT  
THE HIGHEST ORDER. FOR EXAMPLE, IF THE REPORT WAS  
"R" (RAIN), ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF  
THIS, DATA WOULD SHOW ONLY RAIN AS AN OBSTRUCTION.  
VISIBILITY (AND TOTAL CLOUD EXTENT, PRECIPITATION)  
AND STATIONS ARE HIGHLY DIFFERENTIAL.

STATIONS -- CURRENTLY DO NOT TRANSMIT OBSTRUCTIONS TO  
1000 METERS.

STATIONS REPORT ONLY "R" (RAIN) AND "O" (OTHER) THAT, I.  
E., "O" (OTHER).

IN THIS TABLE MAY NOT ACCURATELY REFLECT NIGHTTIME  
STRAIN PHENOMENA.

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE, NC

PERCENTAGE FROM 1967 TO 1970  
 FROM 1967 TO 1970

STATION NUMBER: 722270

STATION NAME: DRAINS AREA  
 LST TO HIG: + 6

YEARS (LST)	TSIMS	LIQUID PRECIP	FROST PRECIP	FROZEN PRECIP	HAUL	ALL PRECIP	SAVED PRECIP	PERCENTAGE FROM 1967 TO 1970
00-02		15.0				15.0	40.0	1.0
03-05	.4	11.3	1.5	2.2		15.0	23.7	1.1
06-08	.2	11.3	1.2	2.4		14.9	21.0	2.0
09-11		13.0	.3	3.5		17.8	22.1	7.7
12-14	.1	12.2	.1	2.5		14.9	12.0	4.7
15-17		11.1		1.0		12.2	18.0	1.0
18-20		13.2	.3	2.1		15.7	17.1	1.0
21-23	.1	13.5	.2	2.2		16.2	18.0	1.0
ALL 40 YEARS	.1	12.4	.5	2.4		15.4	30.0	1.0

00-02		13.3				13.3	48.0	
03-05	.4	11.0	.4	2.2		13.6	22.0	1.1
06-08	.4	13.3	.4	2.6		16.3	27.0	2.5
09-11		12.2	.5	3.5		16.3	23.4	7.7
12-14	.4	15.5	.1	2.5		17.1	17.0	5.0
15-17	.9	15.0	.1	2.0		16.2	18.0	2.7
18-20	1.5	15.3	.4	2.3		17.7	18.5	2.0
21-23	.7	15.0	.7	2.5		16.1	18.1	2.5
ALL 40 YEARS	.6	14.5	.8	2.5		17.9	19.0	3.0

# RECORD OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA (NOT FULLY ESTIMATED)

STATION: ... PERIOD OF RECORD: JUL. 7 - MAY  
 MONTH: JAN.

ALL PRECIP	FBG	SNOW 4/24 6/25	BLUING SNOW	DUST 4/24 5/10	ALL DUST 10/25	TOTAL NO. OF HRS
18.0	40.0	5.0	5.0		68.0	30
18.0	23.7	1.1	.4		43.1	274
14.3	20.0	2.5	.3		47.1	445
17.4	23.1	7.2	.3		47.9	909
16.3	17.2	4.2	.2		37.7	743
15.3	16.3	1.5			33.1	255
15.7	17.1	1.7	.1		34.6	736
14.7	15.5	1.0			31.2	611
14.4	20.0	2.2	.2		36.8	6505

MONTH: FEB

14.2	44.4				77.0	7
16.0	22.2	1.1	.4		39.7	281
15.2	27.2	3.4	.4		46.2	440
16.3	23.4	7.7	.4		47.7	549
17.1	17.1	3.5	.1		37.8	349
15.7	16.0	2.7	.4		34.8	342
17.7	16.5	2.0	.2		36.4	349
15.1	16.1	3.0	.1		34.2	349
17.6	13.0	3.0	.3		33.9	6364

OPERATING LOCATION NAME  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOWNS AFB GA  
LST TO UTC: + 5

HOURS (LST)	TSTMS	LIQUID PRECIP	FREFZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	POS	SNOWS 6/30 HAZ	SL
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00-02

03-05	.7	12.2	.4	.7		13.3	20.1	2.5	
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06-08	.5	11.3	.1	.5		12.9	22.9	4.4	
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09-11	.5	10.3		.9		11.6	17.7	7.2	
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12-14	.5	7.5	.3	.4		8.2	9.4	4.7	
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15-17	.5	5.2		1.0		9.1	5.4	2.7	
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18-20	.5	10.1	.3	.4		10.9	10.3	1.4	
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21-23	.5	10.1	.3	.9		11.7	10.2	.6	
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ALL HOURS	.6	9.2	.2	.7		10.7	13.5	3.5	
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00-02

03-05	.3	8.7				8.7	18.5	2.2	
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06-08	.3	10.1		.1		10.2	20.7	5.0	
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09-11	.7	2.1		.3		5.4	2.9	5.0	
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12-14	1.3	5.6		.2		8.6	4.6	3.5	
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15-17	2.2	7.4		.1		7.6	4.3	3.3	
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18-20	1.7	7.0		.2		7.2	5.1	2.4	
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21-23	1.0	5.8		.3		7.0	7.3	1.3	
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ALL HOURS	1.3	6.1		.2		8.3	9.3	3.7	
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A - 2 - 2



FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

LAKE GA PERIOD OF RECORD: JUN 76 - MAY 86  
MONTH: MAR

ALL PRECIP	FOG	SMOKE E/DP HAZE	BLOWING SNOW	DUST E/DP SAND	ALL PRST TO VSN	TOTAL NO. OF HRS
						0
13.3	20.1	2.5			35.9	279
12.0	22.3	4.4			39.4	930
11.5	17.9	7.2	.2		36.9	930
4.3	9.4	4.5	.3		22.5	930
9.1	8.4	2.9	.2		20.6	930
10.9	10.3	1.4			22.6	930
11.2	10.2	.6			22.0	930
10.7	13.5	3.5	.1		27.7	5550

MONTH: APR						
						0
.7	18.0	2.8			29.5	355
14.2	20.7	5.0			39.9	900
.4	2.9	6.0		.2	24.5	900
1.	4.6	3.6		.2	17.4	900
7.6	4.3	3.3			15.7	900
7.3	5.1	2.4			14.8	900
7.5	7.3	1.3			15.6	757
4.3	2.3	3.7		.1	21.3	5523

OPERATING LOCATION "AM"  
HSAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARI  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: Dobbins AFB GA  
LST TO UTC: + 5

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FIG	SMOKE 6/34 HAZE	BLD
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00-02

03-05	1.4	4.9				4.9	25.2	7.1	
06-08	.3	5.5				5.5	27.5	13.1	
09-11	.9	5.7				5.7	11.7	17.7	
12-14	1.7	3.1				3.1	4.9	12.7	
15-17	3.7	3.4				3.4	3.3	11.2	
18-20	2.8	5.5				5.5	4.7	11.2	
21-23	3.6	5.5				5.5	4.0	9.4	

ALL HOURS	2.1	5.5				5.5	11.7	12.3	
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00-02

03-05	.7	3.9				3.9	35.2	14.9	
06-08	.5	4.5				4.5	35.1	31.4	
09-11	1.0	5.0				5.0	11.5	30.2	
12-14	2.2	5.2				5.2	2.4	24.4	
15-17	3.3	5.0				5.0	2.2	13.1	
18-20	3.7	4.6				4.6	2.7	15.0	
21-23	3.0	4.7				4.7	5.3	12.9	

ALL HOURS	2.1	4.3				4.3	12.7	22.7	
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FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

AFN GA

PERIOD OF RECORD: JUN 75 - MAY 86  
MONTH: MAY

ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL BEST TO VSN	TOTAL NO. OF HRS
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3

4.9	25.2	7.1			37.2	588
5.5	27.5	13.1			46.3	930
5.7	11.7	17.7			35.1	930
5.1	4.9	12.7			25.7	930
4.4	3.3	11.2			23.0	925
5.5	4.7	11.2			21.4	922
5.5	4.0	9.8			23.3	613

5.5	11.7	12.2			30.4	5144
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MONTH: JUN

0

2.8	35.2	14.9			58.0	540
4.5	35.1	31.4			72.1	900
5.5	11.6	30.2			47.3	900
5.2	2.4	24.4			32.1	900
5.	2.2	12.1			25.3	900
4.6	2.7	15.0			22.2	900
4.7	5.3	12.5			22.8	600

4.4	12.7	22.3			39.2	5640
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OPERATING LOCATION "A"  
 USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH  
 FROM HOURLY OBSERVATION

STATION NUMBER: 722270

STATION NAME: OBBINS AFB GA  
 LST TO UTC: + 5

.....	.....	.....	.....	.....	.....	.....	.....	.....
HOURS	TSTMS	LIQUID	FREZZ	FROZEN	HAIR	ALL	FOG	SMOKE
(LST)		PRECIP	PRECIP	PRECIP		PRECIP		4/5
.....	.....	.....	.....	.....	.....	.....	.....	HAZE
00-02							65.7	
03-05	.2	4.1				4.1	39.2	26.2
06-08	.2	5.7				5.7	34.4	37.7
09-11	.4	5.1				5.1	11.4	43.4
12-14	2.3	5.1				5.1	3.3	34.2
15-17	6.3	5.5				5.5	2.7	34.2
18-20	6.1	5.5				5.5	4.9	25.4
21-23	4.8	5.3				5.3	3.3	25.2
ALL								
HOURS	3.2	5.3				5.3	13.7	34.1
.....	.....	.....	.....	.....	.....	.....	.....	.....

00-02		100.0				100.0	50.0	
03-05	.4	3.4				3.4	40.1	30.0
06-08	.4	3.0				3.0	44.2	41.0
09-11	.3	3.4				3.4	10.3	45.5
12-14	2.6	4.5				4.5	1.9	35.1
15-17	5.5	7.3				7.3	2.2	33.4
18-20	5.9	5.6				5.6	3.7	29.8
21-23	4.5	2.0				3.0	6.7	26.0
ALL								
HOURS	3.1	5.1				5.1	14.5	35.3
.....	.....	.....	.....	.....	.....	.....	.....	.....

0

FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

AREA: GA PERIOD OF RECORD: JUN 73 - MAY 84  
MONTH: JUL

ALL PRECIP	FOG	SMOKE &/OR HAZE	BLANKING SNOW	DUST &/OR SAND	ALL BEST TO VSM	TOTAL NO. OF HRS
	56.7				56.7	3
4.1	38.2	26.9			69.3	557
5.7	34.4	37.7			77.2	926
7.1	11.4	43.5			60.4	930
6.1	3.3	38.2			46.6	930
7.5	2.7	34.2			46.6	930
6.5	4.7	29.8			40.2	930
5.3	3.3	26.2			40.8	623
5.3	13.7	34.1			54.2	5427

MONTH: AUG

100.0	50.0				100.0	5
3.4	40.1	30.2			73.7	559
3.0	44.2	41.0			88.2	930
3.4	10.3	46.5			60.2	930
4.5	1.9	35.1			41.6	930
7.3	2.2	33.4			42.9	930
5.6	3.7	29.6			39.0	930
5.1	6.7	26.0			40.7	624
5.1	14.5	35.3			54.9	5833

OPERATING LOCATION "A"  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

0.01  
0.01

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	SLG	SIXTH WIND HAZ	ALSO SLG
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00-02							25.0		
03-05		5.1				5.1	40.7		16.2
06-08	.1	5.7				5.7	47.0		24.1
09-11	.1	5.0				5.0	13.2		30.9
12-14	.7	7.1				7.1	9.0		21.4
15-17	2.1	5.5				5.5	5.2		18.0
18-20	2.3	7.5				7.5	7.3		15.4
21-23	2.0	5.4				5.4	7.5		15.3

ALL HOURS	1.1	7.0				7.0	13.4		20.9
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00-02									
03-05		7.2				7.2	27.4		2.4
06-08	.3	8.7				8.7	35.4		5.4
09-11	.4	5.7				5.7	19.7		14.0
12-14	.2	8.3				8.3	11.6		7.5
15-17	.5	7.2				7.2	9.8		4.0
18-20	.4	7.5				7.5	11.2		5.0
21-23	.2	8.1				8.1	14.0		5.4

ALL HOURS	.3	8.1				8.1	18.0		7.1
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QUANTITY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

APR 64 PERIOD OF RECORD: JUN 78 - MAY 80  
MONTH: SEP

ALL PRECIP	FUG	SMOKE S/DR HAZE	BLOWING SNOW	DUST S/DR SAND	ALL TEST TO VSA	TOTAL NO. OF DAYS
	25.0				25.0	4
1.1	40.7	16.2			63.0	543
1.7	47.0	24.1			77.3	900
1.2	19.2	30.3			59.1	900
1.1	9.0	21.4			37.4	900
1.0	5.2	13.6			22.3	900
2.1	7.3	15.4			31.3	900
1.0	1.5	15.3			30.6	902
2.2	16.2	20.2			46.7	5549

MONTH: OCT

						0
1.1	27.4	2.2			37.2	541
1.7	35.4	5.2			50.9	930
1.7	12.7	14.0			42.4	930
1.3	11.6	7.5			27.4	930
2.2	9.4	4.0			21.9	930
2.8	11.2	5.9			24.5	930
1.1	14.0	5.4			27.5	565
1.1	14.0	7.1			33.2	5255

OPERATING LOCATION "A"  
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DODGINS AFB GA  
LST TO UTC: + 5

DATE  
TIME

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FG	SMOKE W/IN HAIL	WIND SPEED
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00-02		11.3				11.3	35.3		
03-05	.4	12.3				12.3	28.7	1.4	
06-08	.6	12.1		.1		12.2	45.0	5.4	
09-11	.3	12.4		.1		12.5	25.4	10.7	
12-14		10.1				10.1	15.6	6.0	
15-17		9.3				9.3	14.5	3.1	
18-20	.1	10.1				10.1	10.0	3.1	
21-23	.3	13.1				13.1	14.3	3.1	
ALL HOURS	.2	11.4		.0		11.4	21.2	5.1	

00-02									
03-05		11.7		.4		12.1	25.5	.4	
06-08	.1	12.7		.4		13.0	27.7	1.6	
09-11		12.1	.1	.4		12.6	24.2	7.0	
12-14	.1	10.5	.2	.2		10.9	13.8	3.6	
15-17	.1	9.3	.1			9.5	11.3	3.1	
18-20	.2	8.1	.2	.1		8.5	13.4	1.2	
21-23	.1	9.3	.7	.4		10.5	14.5	.7	
ALL HOURS	.1	10.4	.2	.3		10.7	17.9	2.7	



FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

AFR 0A

PERIOD OF RECORD: JUN 78 - MAY 79  
MONTH: NOV

ALL PRECIP	FPS	SMOKE L/HR HAZE	BLOWING SNOW	DUST L/HR SAND	ALL CAST TO VSN	TOTAL NO. OF HRS
11.9	35.3				47.1	17
12.9	28.7	1.9			43.3	282
12.2	45.0	5.9			54.0	900
12.5	25.4	10.7			48.7	900
10.1	15.6	6.0			31.9	900
9.9	14.5	3.1			27.4	900
10.1	15.0	3.1			26.2	900
10.1	10.3	3.1			34.5	900
11.4	21.2	5.1			37.9	5643

MONTH: DEC

						5
12.1	25.5	.9			33.5	247
13.0	27.7	1.5			42.2	813
12.8	24.2	7.0			43.3	813
12.9	13.8	3.5			28.3	313
9.5	11.3	3.1			23.9	813
8.5	13.4	1.2			23.1	813
12.8	14.8	.7			26.0	813
10.7	17.9	2.7			31.5	5131

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS AT 1000  
FROM 1 JULY 1951 TO 1 JULY 1952

STATION NUMBER: 722270

STATION NAME: DEARBORN AFB GA  
LST TO UTC: + 5

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FG	SMOKE 8/10 H2O	AD. HA 100
JAN	.1	12.4	.5	2.4		15.4	20.0	2.0	.
FEB	.6	14.5	.4	2.5		17.4	19.5	5.0	.
MAR	.6	9.7	.2	.7		10.7	13.7	2.5	.
APR	1.3	5.1		.2		6.3	9.3	3.7	.
MAY	2.1	5.5				6.7	11.7	12.3	.
JUN	2.1	4.5				4.7	12.7	22.3	.
JUL	3.2	5.3				5.3	13.7	34.1	.
AUG	3.1	5.1				5.1	14.5	35.3	.
SEP	1.1	7.0				7.0	13.1	20.0	.
OCT	.3	7.1				.1	13.0	7.1	.
NOV	.2	11.4		.2		11.4	21.2	5.1	.
DEC	.1	10.4	.2	.3		10.9	17.9	2.7	.
ANNUAL	1.3	8.6	.1	.5		9.2	15.9	13.9	.

RECORD OF VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION: 3A PERIOD OF RECORD: JUN 75 - MAY 80  
HOURS: ALL

ALL PRECIP	FOG	SMOKE 6/10 HAZE	BLOWING SNOW	DUST 6/10 SAND	ALL INST TEMP	TOTAL NO. OF HRS
15.4	20.0	2.0	.2		34.6	5595
17.4	19.8	3.6	.3		41.0	5364
14.7	13.7	2.5	.1		27.7	5810
4.3	9.3	3.7		.1	21.3	5623
4.5	11.7	12.2			30.4	5444
4.7	12.7	22.3			39.4	5540
6.3	13.7	34.1			44.2	5324
6.1	14.5	35.3			44.9	5335
7.6	14.1	23.0			44.7	5244
.1	13.0	7.1			32.2	5455
11.4	21.2	5.1			37.3	5699
17.2	17.2	2.7			31.5	5131
.0	15.9	13.0	.0	.0	38.1	57927

OPERATING LOCATION: ASH  
 ISAFETAG, ASH-VILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH WINDS  
 10 MPH OR MORE

STATION NUMBER: 722270

STATION NAME: 10 SWS 48-0A  
 LST TO UTC: +05

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HALE	ALL PRECIP	WIND
JAN	3.4	41.2	2.9	9.7		41.4	41.2
FEB	5.3	41.3	1.3	7.5	.1	44.2	41.3
MAR	7.3	41.7	.1	9.3	.1	43.2	41.7
APR	13.1	35.6		.2	.4	36.3	35.6
MAY	17.5	37.6			.7	37.6	44.7
JUN	26.4	43.1			.6	43.1	43.1
JUL	34.7	47.2			.1	47.3	47.2
AUG	26.2	39.1			.1	39.1	39.1
SEP	13.1	34.4			.1	34.4	34.4
OCT	3.5	27.2				27.2	27.2
NOV	2.4	36.5	.2	1.7		36.2	41.1
DEC	2.2	34.0	1.1	1.7		31.1	34.0
ANNUAL	13.1	34.5	.4	2.4	.1	35.4	41.1

NO. OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 FOR JANUARY OF EACH YEAR

ALASKA

PERIOD: 1941-1945: 4901-4905  
 MONTH: ALL HOURS: ALL

WIND	ALL PRECIP	FOG	SMOKE 5/10- HAIL	BLOWING STORM	WIND 5/10- DAMP	ALL WIND	TOTAL NO. OF DAYS
	41.4	45.2	29.2	.6		60.4	1221
.1	44.2	45.4	21.2	.4		59.8	1128
.	43.7	41.7	19.7	.2	.1	55.2	1090
.4	35.5	35.	12.4			51.	1000
.7	37.5	44.7	33.3		.1	62.3	1240
.7	40.1	43.4	45.5		.1	71.2	1192
.8	41.5	38.5	31.5			70.5	1197
.1	39.1	51.2	34.2			77.6	1195
.1	34.4	51.5	41.1			67.7	1170
	27.2	41.2	21.2			59.5	1107
	36.2	40.1	18.2			57.2	1170
.1	44.3	21.2	.1			57.	1151
.9	29.5	47.2	32.2	.1	.0	52.7	14298

OPERATING LOCATION "AM"  
JCAFBTAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
PER HOUR (ESTIMATE)

STATION NUMBER: 722270 STATION NAME: ODEBINS AFB GA  
LST TO UTC: + 5

.....	.....	.....	.....	.....	.....	.....	.....	.....
HOURS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
(LST)								
00-02								
03-05	.4	.4	.7	.4	1.4	.7	.2	.4
06-08	.2	.4	.5	.3	.4	.5	.2	.4
09-11			.5	.7	.4	1.0	.4	.4
12-14	.1	.4	.5	1.2	1.7	2.2	2.3	2.4
15-17		.5	.5	2.2	3.7	3.3	5.4	6.7
18-20		1.3	.5	1.7	2.5	3.7	5.4	5.4
21-23	.1	.7	.5	1.0	3.5	3.0	4.4	4.4
ALL								
THURS	.1	.4	.5	1.3	2.1	2.1	3.2	3.1
TOTAL								
THURS	4475	5354	5554	5523	5544	5540	7020	5434

TABLE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS  
FROM HOURLY OBSERVATIONS

APR 54 PERIOD OF RECORD: JUN 73 - MAY 58

JUN	JUL	AUG	SEP	OCT	NOV	DEC
.7	.2	.4			.4	
.5	.2	.4	.1	.3	.5	.1
1.3	.4	.8	.1	.4	.3	
2.2	2.3	2.5	.7	.2		.1
3.3	5.2	6.5	2.1	.6		.1
5.7	5.5	5.3	2.5	.4	.1	.2
3.3	4.1	4.6	2.0	.2	.3	.1
2.1	3.2	3.1	1.1	.3	.2	.1
5545	5529	5533	5549	5555	5599	5131

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC  
VERSUS WIND DIRECTION FROM HOURLY SURVEY

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

PERIOD  
MONTH

PHENOMENA	CALC	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 359
TSMS	20.0		20.0	20.0	20.0	
LIQUID PRECIP	12.7		8.7	58.7	6.6	
FREEZING PRECIP	14.7		6.7	75.6		
FROZEN PRECIP	1.9		12.1	30.4	1.3	
FOG	13.4		11.9	45.1	4.7	
FOG WITH VIS GE 1/2 MILES	16.9		11.9	45.5	4.7	
TOTAL OBS	533	0	951	1240	353	

MONTH

TSMS	3.2			67.7	9.7	
LIQUID PRECIP	9.1		6.4	51.4	7.5	
FREEZING PRECIP				100.0		
FROZEN PRECIP	1.4		6.3	35.6	2.1	
FOG	14.0		6.4	50.0	8.6	
FOG WITH VIS GE 1/2 MILES	12.7		3.3	47.6	9.1	
TOTAL OBS	713	0	790	1422	511	



FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
 DEDUCTED FROM HOURLY OBSERVATIONS

AS PER GA

PERIOD OF RECORD: JUN 73 - MAY 84

MONTH: JAN HOURS: ALL

000 - 149	150 - 239	240 - 329	NO OF OBS
20.0	20.0	20.0	5
58.7	6.5	13.2	692
75.5		2.9	34
32.4	1.3	32.4	160
95.1	4.2	19.8	1120
45.5	4.9	20.8	1057
1240	353	2224	0
			5595

MONTH: FEB HOURS: ALL

000 - 149	150 - 239	240 - 329	NO OF OBS
57.7	2.7	12.4	31
51.4	2.5	13.5	770
100.0			12
35.5	2.1	54.5	142
50.0	2.5	18.7	1057
42.5	2.1	12.0	992
1422	511	1023	0
			5364

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSP  
VERSUS WIND DIRECTION FROM HOURLY OBSERVAT

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

PHENOMENA	CAL	VARIABLE	330 - 059	060 - 149	150 - 239
TSTMS	5.3		7.9	39.5	21.1
LIQUID PRECIP	7.2		5.7	54.4	12.7
FREEZING PRECIP			45.5	35.4	
FROZEN PRECIP	2.4		17.1	24.4	
FDG	16.5		2.2	44.1	12.3
FDG WITH VIS GE 1/2 MILES	15.2		3.5	44.4	12.4
TOTAL OBS	470	0	342	1323	743

TSTMS	7.2		14.5	30.3	19.7
LIQUID PRECIP	5.9		5.7	31.3	17.0
FREEZING PRECIP					
FROZEN PRECIP			50.0		
FDG	16.4		4.5	43.4	14.5
FDG WITH VIS GE 1/2 MILES	15.0		4.3	47.5	15.0
TOTAL OBS	300	0	655	1106	234

# NOY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA DEDUCTED FROM HOURLY OBSERVATIONS

15 APR 64

PERIOD OF RECORD: JUN 74 - MAY 80  
 MONTH: MAR HOURS: ALL

260 - 149	150 - 239	240 - 329	NO OF OBS
59.5	21.1	26.3	38
54.4	12.7	20.0	544
36.4		13.2	11
24.4		36.1	41
44.1	12.3	19.0	763
44.4	12.4	19.5	743
1323	723	2025	5350

MONTH: APR HOURS: ALL

30.3	19.7	17.6	76
31.3	17.0	20.1	353
		50.0	12
43.4	14.5	16.1	517
47.5	15.0	16.6	499
1106	335	2213	5623

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC  
VERSUS WIND DIRECTION FROM ADJPLY OBSERVATION

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

PERIOD  
MONTH

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 359
TSTMS	12.4		12.4	19.8	24.6	
LIQUID PRECIP	11.5		7.7	35.4	21.5	
FREELING PRECIP						
FROZEN PRECIP						
FGS	30.2		3.4	34.5	13.3	
FGS WITH VIS GE 1/2 MILES	29.5		3.5	35.2	13.4	
TOTAL OBS	1245	0	509	1123	1107	

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 - 359
TSTMS	15.0		15.0	14.2	25.4	
LIQUID PRECIP	17.7		5.1	22.2	20.8	
FREELING PRECIP						
FROZEN PRECIP						
FGS	33.8		5.3	24.6	15.1	
FGS WITH VIS GE 1/2 MILES	33.7		5.2	24.4	15.2	
TOTAL OBS	1139	0	702	1125	757	

NO. OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
 DEDUCED FROM HOURLY OBSERVATIONS

STATION: ALBUQUERQUE PERIOD OF RECORD: JUN 72 - MAY 88  
 MONTH: MAY HOURS: ALL

140 - 149	150 - 239	240 - 329	NO. OF OBS
19.8	24.8	30.6	121
35.4	21.5	23.5	302
34.8	13.3	18.2	675
35.2	13.4	18.4	662
1123	1137	1777	5-44

MONTH: JUN HOURS: ALL			
14.2	25.8	35.0	120
22.2	23.4	25.3	198
24.4	15.1	20.2	702
24.4	15.2	20.3	693
1125	757	1907	5640

OPERATING LOCATION "AA"  
USAFSTAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC  
VERSUS WIND DIRECTION FROM FULLY OBSERVATION

STATION NUMBER: 722070

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

0001  
0001

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 259	260 - 359
ISMS	11.4		13.4	15.2	26.4	
LIQUID PRECIP	7.1		5.7	50.9	24.0	
FREZING PRECIP						
FROZEN PRECIP						
FGS	25.4		3.1	33.7	15.4	
FG WITH VIS GE 1/2 MILES	25.0		3.2	34.1	15.4	
TOTAL OBS	998	0	548	1240	712	

ISMS	10.5		13.4	19.2	26.0	
LIQUID PRECIP	17.7		7.3	31.0	13.3	
FREZING PRECIP						
FROZEN PRECIP						
FGS	32.1		4.8	29.5	5.6	
FG WITH VIS GE 1/2 MILES	32.0		4.8	29.7	5.7	
TOTAL OBS	1314	0	586	1543	640	

NOY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
 SECTION: FROM HOURLY OBSERVATIONS

TABLE 54 PERIOD OF RECORD: JUN 74 - MAY 87  
 MONTH: JUL HOURS: ALL

000 - 149	150 - 239	240 - 329	NO OF OBS
15.2	25.4	28.6	145
50.2	24.0	12.4	283
25.2	15.9	20.7	763
34.1	15.1	20.9	754
1240	710	2255	5205

MONTH: AUG HOURS: ALL			
19.3	26.0	30.4	131
10.0	10.3	17.7	142
29.5	8.5	13.5	105
20.7	8.7	14.8	704
1543	580	1615	5830

OPERATING LOCATION "AA"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC  
WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA

PERIOD

LST TO UTC: + 5

MONTH:

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 -
ISMS	15.6		14.1	15.6	13.7	8.7
LIQUID PRECIP	10.3		7.3	54.9	9.0	
FREEZING PRECIP						
FROZEN PRECIP						
FG	32.6		4.6	49.3	4.7	10.8
FG WITH VIS GE 1/2 MILES	31.8		4.7	49.9	4.8	10.8
TOTAL OBS	1278	0	759	2030	304	11

PHENOMENA	CALM	VARIABLE	330 - 059	060 - 149	150 - 239	240 -
ISMS	15.6		20.0	29.0	19.0	8.7
LIQUID PRECIP	7.5		5.1	71.7	4.7	11.0
FREEZING PRECIP						
FROZEN PRECIP						
FG	21.5		5.3	53.7	6.7	12.8
FG WITH VIS GE 1/2 MILES	21.8		5.3	53.2	6.8	12.8
TOTAL OBS	1366	0	660	1852	460	147



# OF OCCURRENCES OF ATMOSPHERIC PHENOMENA STATION - 4701 - HOURLY OBSERVATIONS

PERIOD OF RECORD: JUN 74 - MAY 75  
 MONTH: SEP HOURS: ALL

149 - 150	239 - 240	329 - 330	NO OF OBS
18.5	13.8	52.8	84
54.9	9.0	3.4	363

41.3	4.7	12.8	102
46.9	4.7	12.8	1009

20.10	39.4	113.8	5	5640
-------	------	-------	---	------

101 - 102	103 - 104	105 - 106	NO OF OBS
15.0	15.0	25.0	20
71.7	4.7	11.1	457

53.7	6.7	12.7	1044
53.2	6.9	12.3	1009
.....			
18.2	460	1404	0
.....			
			5856

OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
VERSUS WIND DIRECTION (1/2 MILE)

STATION NUMBER: 722070

STATION NAME: DORRINS AFB GA  
LST TO VIC: + 5

PHENOMENA	CALM	VARIABLE	330 - 090	090 - 149	150 - 239	240 - 359
TSTMS	19.4		7.7	38.9	13.1	
LIQUID PRECIP	9.6		8.9	58.0	11.7	
FREZZING PRECIP						
FROZEN PRECIP						
FGS	21.3		6.6	49.2	6.6	
FGS WITH VIS GE 1/2 MILES	20.2		6.6	47.0	6.6	
TOTAL OBS	1244	0	617	1610	59	

TSTMS				45.7		
LIQUID PRECIP	11.0		10.5	49.3	11.7	
FREZZING PRECIP				100.0		
FROZEN PRECIP			63.4	39.6		
FGS	21.2		11.2	37.1	11.7	
FGS WITH VIS GE 1/2 MILES	22.5		11.3	36.1	12.0	
TOTAL OBS	939	0	720	1210	431	

IN THE OCCURRENCE OF ATMOSPHERIC PHENOMENA  
 WITH A DEGREE OF FREQUENCY

PERIOD OF RECORD: JUL 71 - MAY 72  
 MONTH: NOV HOURS: ALL

140 - 149	150 - 239	240 - 329	NO OF OBS
13.5	13.1	13.4	13
24.0	11.0	12.7	545
		120.0	2
13.2	13.8	13.7	1204
17.0	13.1	13.5	1168
1510	534	1540	5699

140 - 149	150 - 239	240 - 329	NO OF OBS
13.7	13.3	13.4	6
17.1	12.0	13.0	545
13.0			12
13.0		13.4	12
17.1	11.7	13.2	915
13.1	12.0	13.1	541
1210	431	1222	5131

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC  
VERSUS WIND DIRECTION FROM MONTHLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

PERIOD OF  
MONTH: 1

PHENOMENA	CALM	VARIABLE	030 - 059	060 - 149	150 - 239	240 -
TSNS	10.7		14.1	22.3	23.3	20.7
LIQUID PRECIP	10.0		7.3	54.9	12.5	15.4
FREEZING PRECIP	5.5		9.2	40.3		4.9
FROZEN PRECIP	1.5		15.7	34.9	1.4	45.5
FG	23.9		5.7	42.0	10.0	17.4
FG WITH VIS GE 1/2 MILES	23.3		5.5	41.9	10.2	17.0
TOTAL OBS	12777	0	3544	15934	7677	21925

# BY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA SECTION FROM HOURLY OBSERVATIONS

AND 01 PERIOD OF RECORD: JUN 78 - MAY 83  
 MONTHS: ALL

050 - 149	150 - 239	240 - 329	NO OF OBS
22.3	23.3	29.7	750
54.7	12.5	15.4	5395
70.3		3.9	75
34.9	1.4	45.5	370
42.0	10.0	17.5	10615
41.4	10.2	17.0	10202
16034	7577	21925	0
			67927

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## PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARY

ALL TABLES IN PART 2 ARE CREATED FROM SUMMARY OF DAY (OF  
PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF  
SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL  
COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH  
PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH  
OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE  
COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCE  
AMOUNT TO LESS THAN .05 PERCENT.

## MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND  
THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLE  
AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATION  
OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR  
THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO  
OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE  
IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE  
MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR  
SNOWFALL FOR THE MONTH.

## DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS  
MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, AND  
THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER  
OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (\*) INDICATES  
LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO  
OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS  
".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE  
THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF  
DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD.  
SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY  
THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST  
COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER  
AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE ENTRY  
ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES  
MEASURABLE SNOWFALL. FINALLY, THE 1200 GHT ENTRY OR  
(OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE  
SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY  
WHEN NO SNOWFALL OCCURS DURING THE GIVEN PERIOD.



PART B

1. SNOWFALL, SNOW DEPTH SUMMARIES

RELATED FROM SUMMARY OF DAY (SDO) DATA.

LY.  
PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION,  
DATA IS SUMMARIZED FOR ALL YEARS  
OF THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS,  
AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT  
AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION  
INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE,  
PERCENT.

TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY.  
MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST  
MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE  
ISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS  
AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE  
INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED  
ONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE  
"0.00" MEANS NO PRECIPITATION FOR THE MONTH, "0" MEANS NO

MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-  
SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW  
EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBS-  
AND YEAR. AN ASTERISK (\*) INDICATES A MONTH FOR WHICH  
AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE  
INCOMPLETE MONTHS. "0.00" MEANS NO PRECIPITATION FOR THE MONTH,  
OR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.  
FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW  
DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE  
TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE  
MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN  
O/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE  
(OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST)  
THAN "0.0" OR "TRACE" DEFINES THE FIRST (OR LAST)  
ALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A  
THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST  
THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED  
DURING THE GIVEN PER.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF FLOODING MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEAN (BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1955, SNOWFALL OCCURRENCES IN WINTER INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND

AIR FORCE

NAVY AND NATIONAL

THROUGH 1945:

0300 LST

THROUGH JUN 1952:

JAN 1946 TO MAY 1957:

1230 LST

JUN 1952 TO MAY 1957:

JUN 1957 TO PRESENT:

1200 GMT

JUN 1957 TO PRESENT:

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPORT GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNT CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION.

#### CONVERSIONS:

- 1 INCH = 25.39999 MILLIMETERS

- 1 MILLIMETER = .03937 INCHES

NOT RECORDED IN THE MONTHLY TOTALS OR DAILY  
AMOUNTS "TRACE" WILL APPEAR IN THE APPROPRIATE

STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE  
ARE AVAILABLE.

UNITS OR THE STATION HISTORY MIGHT PROVIDE CLUES  
ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBS-  
ERVING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT  
NO OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS

DAILY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE  
IS FOR THE PERIOD OF RECORD.

6. SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY

ING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

	NAVY AND NATIONAL WEATHER SERVICE
LIST	THROUGH JUN 1952: 0030 GMT
LET	JUN 1952 TO MAY 1957: 1230 GMT
GMT	JUN 1957 TO PRESENT: 1200 GMT

FEIN (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED  
MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS  
ON HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS  
IN ADDITION, 24-HOUR AMOUNTS DO NOT REPRESENT THE STANDARD  
"MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS  
OF NIGHTTIME PRECIPITATION EVENTS.

IN METERS

INCHES

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIP  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: +05

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
NONE	49.7	51.1	52.2	59.6	58.5	55.4	47.3	56.1
TRACE	14.9	12.2	11.7	10.3	11.4	13.0	15.1	12.1
.01	2.3	1.0	2.1	1.9	1.9	2.2	3.3	2.1
.02-.05	5.9	7.0	6.3	4.6	4.5	5.1	5.1	4.1
.06-.10	3.6	3.8	4.0	3.4	3.3	4.4	4.9	3.1
.11-.25	7.2	6.2	6.2	4.4	5.5	5.2	6.6	5.1
.26-.50	5.4	5.7	5.7	5.3	4.5	5.2	5.2	4.1
.51-1.00	7.1	6.9	6.0	5.3	6.1	5.6	5.1	4.1
1.01-2.50	3.3	4.8	5.1	4.0	3.6	2.9	3.5	3.1
2.51-5.00	.7	.3	.6	.5	.3	.2	.6	.1
5.01-10.00								
10.01-20.00								
OVER 20.00								
DAYS WITH MEAS AMTS	35.4	35.6	35.0	29.2	30.0	31.6	37.5	31.1
TOTAL NO. OF OBSERVATIONS	1202	1152	1290	1150	1302	1230	1243	1201

FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES  
 ANNUAL SUMMARY OF DAY DATA

PERIOD OF RECORD: 4609-6305								
MONTH: ALL    HOURS: ALL								
MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
54.5	55.4	47.0	56.9	62.7	71.0	60.3	55.6	56.7
11.4	13.0	15.1	12.7	11.7	8.5	11.6	12.3	12.1
1.9	2.2	3.3	2.7	3.0	1.4	2.1	2.2	2.3
4.5	5.1	5.1	5.7	4.4	3.6	5.4	4.9	5.4
3.3	4.4	4.9	3.1	3.0	2.9	2.3	3.0	3.5
5.5	5.2	5.6	5.2	4.3	3.4	4.3	5.2	5.3
4.5	5.2	5.2	4.5	3.9	3.1	3.3	5.3	5.1
5.1	5.6	5.5	4.4	4.4	3.5	5.7	5.5	5.7
3.5	2.9	3.5	3.4	2.3	1.9	3.3	3.7	3.5
.3	.2	.6	.3	.9	.7	.3	.3	.5
30.9	31.6	37.0	30.5	25.6	20.5	28.1	32.1	31.2
1302	1230	1243	1240	1217	1229	1219	1214	1272

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNT  
FROM SUMMARY 16 DAY DATA

STATION NUMBER: 722270 STATION NAME: DOBRINS AF3 GA  
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
45								
47	.00*	.00*	TRACE*	5.66	2.26	4.16	.00*	
48	TRACE*	5.95	5.74	1.91	3.55	1.24	7.83	3.13
49	5.52	7.10	3.22	5.09	3.60	2.51	2.34	5.14
50	3.42	3.68	4.39	2.18	5.40	1.56	5.41	3.54
51	2.24	1.67	5.91	4.89	.52	4.71	3.75	1.11
52	4.14	3.11	9.85	1.90	2.75	5.35	.42	2.11
53	7.21	5.23	3.09	4.34	4.16	3.53	5.46	1.71
54	5.25	3.22	3.01	2.06	2.27	2.75	5.23	2.71
55	4.16	5.02	3.10	4.22	4.09	.95	4.41	3.92
56	2.00	5.75	5.57	4.44	3.22	1.10	3.43	2.24
57	5.07	2.35	3.30	5.39	4.56	4.12	3.09	.52
58	4.14	5.26	5.00	4.43	1.53	3.47	5.27	.04
59	4.06	3.76	5.20	3.62	7.84	2.56	1.44	1.14
60	2.96	4.47	5.52	3.62	1.69	.78	3.43	5.21
61	2.06	10.37	5.61	5.29	3.57	7.92	3.73	5.13
62	4.23	5.33	5.43	4.13	.24	2.96	5.51	1.45
63	4.13	2.63	7.74	7.27	2.59	10.41	4.45	.53
64	*	*	3.10	9.20	3.47	4.15	5.02	5.71
65	4.44	4.74	7.35	4.47	2.92	7.47	1.48	2.37
66	5.80	11.15	5.87	4.41	5.41	1.50	4.53	5.13
67	4.24	4.52	2.79	4.37	5.40	4.57	9.35	7.37
68	5.57	2.10	5.94	6.57	7.75	1.75	5.63	3.42
69	3.17	3.77	3.74	5.58	7.51	1.47	3.40	4.21
70	3.12	2.71	7.24	3.38	4.31	5.49	5.63	3.09
71	5.24	5.92	7.73	4.92	2.35	4.75	11.41	5.35
72	12.35	3.53	5.19	2.24	7.22	5.33	7.40	1.75
73	5.92	3.35	9.79	5.15	5.15	5.42	4.34	2.31
74	5.54	6.40	3.94	5.23	4.43	3.05	2.45	2.15
75	5.39	10.05	9.42	2.43	8.50	5.23	7.73	7.24
76	5.42	1.75	10.29	1.24	7.55	2.73	3.22	3.41
77	4.23	2.80	11.22	3.40	1.74	1.30	2.04	7.11
78	2.25	.79	2.45	3.51	4.57	4.11	2.31	5.12
79	5.25	5.11	4.56	12.55	7.73	.54	4.40	5.63
80	5.77	2.74	13.43	3.74	5.13	5.15	2.25	1.27

MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

APR 64

PERIOD OF RECORD: 4609-6605  
MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
				TRACE*	.00*	.00*	.00*	TRACE*
1.25	4.15	.05*						12.15*
1.25	1.24	7.83	3.45	3.29	.57	15.29	3.25	53.45*
3.83	2.51	2.34	5.13	3.17	4.06	TRACE	3.35	46.69
1.40	1.55	5.91	3.55	4.41	2.55	.43	3.15	40.93
1.52	4.71	3.75	1.12	5.01	2.65	2.82	5.98	44.65
1.25	5.35	.47	2.49	1.55	.84	2.21	5.28	41.05
1.15	3.53	5.45	1.79	4.72	.34	1.34	7.00	52.52
1.27	2.75	5.23	2.75	.55	.71	2.89	4.21	37.60
1.00	.95	4.41	3.92	.99	.95	3.67	1.29	35.75
1.22	1.10	5.49	2.24	5.30	2.59	2.79	3.57	43.95
1.05	4.12	3.09	.59	6.67	1.47	5.30	3.55	45.07
1.53	3.47	1.29	.08	2.82	2.45	2.20	2.55	44.99
1.54	2.55	1.44	1.25	5.39	5.99	1.14	2.41	44.56
1.59	.74	3.43	5.25	5.24	5.34	.94	2.55	50.23
1.57	7.00	3.73	5.40	.59	.15	2.70	12.34	55.25
1.24	2.45	5.51	1.45	2.44	5.43	6.07	2.95	47.94
1.29	10.41	4.45	.53	4.15	*	5.22	5.40	55.92*
1.47	4.15	5.02	5.75	2.33	5.22	3.97	7.55	56.51*
1.22	7.47	1.38	2.37	2.45	5.43	1.25	1.74	47.34
1.41	1.50	4.53	5.23	2.17	5.15	4.43	3.49	59.44
1.40	4.57	2.35	7.37	1.14	2.74	5.68	6.09	58.72
1.75	1.75	5.64	3.42	2.41	2.22	5.47	5.24	55.34
1.51	1.47	2.40	4.31	5.10	1.15	2.53	4.94	52.82
1.31	5.49	5.63	3.03	3.23	2.35	3.03	3.65	53.03
1.05	4.75	11.01	5.95	4.52	.55	3.34	6.05	54.43
1.20	5.33	5.40	1.75	2.15	3.59	4.73	7.13	61.53
1.15	5.42	4.54	2.91	5.04	.75	2.06	5.27	57.55
1.42	3.05	2.45	2.15	1.97	1.09	4.75	7.07	55.14
1.55	5.03	7.73	7.94	4.23	5.13	4.59	4.30	75.29
1.55	2.73	3.02	3.45	.40	3.35	3.15	3.91*	47.93*
1.74	1.50	2.74	7.11	4.50	5.75	5.34	2.38*	59.14*
1.57	4.11	2.91	5.12	.35	.70	2.34	3.30*	40.75*
1.73	.44	4.40	5.63	5.24	2.50	4.84	.62	61.37
1.13	5.15	2.25	1.25	5.55	2.74	1.54	.62*	51.42*

OPERATING LOCATION: 141  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION: AMOUNT  
FROM JANUARY OF EACH YEAR

STATION NUMBER: 722270 STATION NAME: ROBINS AFB GA  
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
91	.73	7.29	4.23	2.67	4.15	2.59	2.71	4.22
92	5.84	7.97	2.53	3.02	2.59	4.47	3.12	3.57
93	3.26	5.15	6.14	4.09	5.17	2.83	1.50	.63
94	3.30	5.31	4.66	7.52	7.55	1.30	2.71	3.58
95	3.25	5.63	1.56	2.31	5.13	4.46	7.21	4.22
96	1.53	1.63	2.65	.38	4.62	1.13	2.22	3.75
97	5.42	5.24	3.37	1.21	3.34	4.41	1.65	2.42
98	3.35	2.62	2.20	5.51	1.02			

LEAST	.73	.79	1.56	.38	.24	.73	.47	.63
GREATEST	12.35	11.15	13.43	12.55	8.85	10.41	11.91	9.15
MEAN	4.37	4.74	5.74	4.52	4.41	3.61	4.84	3.75
MEDIAN	4.23	4.75	5.40	4.43	4.12	3.63	4.41	3.75
SD	2.240	2.353	2.795	2.334	2.225	2.051	2.705	2.142
TOTAL OBS	1202	1152	1200	1260	1302	1230	1243	1240

THE GREATEST VALUE OF 15.29 OCCURRED ON 11/43

NOTE: \*THIS VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA



MONTHLY PRECIPITATION AMOUNTS IN INCHES  
 MONTH SUMMARY OF DAY DATA

STATION 5A

RECORD OF RECORDS: 4600-8888

MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
6.15	2.59	2.71	4.22	2.15	2.27	2.35	3.84*	37.14*
7.58	4.47	3.12	3.89	2.36	5.26	4.16	5.76*	57.37*
7.17	2.33	1.50	1.63	5.23	1.35	6.63	10.77*	54.01*
7.53	1.20	2.1	3.66	1.02	1.82	2.53	2.70	49.75
6.15	4.45	7.31	6.22	1.39	3.62	3.62	1.86	46.62
6.22	1.13	2.22	3.75	1.20	6.30	5.21	3.25*	45.37*
7.4	4.41	1.65	2.42	3.47	1.43	2.55	3.27*	37.15*
1.3								15.20*

1.78	1.7	1.47	1.33	1.02	1.15	TRACE	1.52	35.71
1.7	11.61	11.61	3.15	1.72	2.35	18.22	12.34	75.29
1.41	2.41	4.15	3.75	3.3	3.25	3.77	4.63	52.11
6.12	3.52	4.41	1.10	2.21	2.52	3.12	3.95	42.33
1.22	2.611	2.715	2.112	2.153	2.382	2.674	2.577	2.441
1215	1236	1242	1242	1217	1229	1213	1216	14792

11/40

NOT WITH LESS THAN 10% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION: MA  
USAFETAG, ASHEVILLE, NC

EXTREME DAILY PRECIPITATION AND  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722270 STATION NAME: GIBBSING AFB GA  
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
46								
47	.00*	.00*	TRACE*	1.14	.60	1.33	.66*	
48	TRACE*	2.10	1.57	1.20	1.04	.47	3.99	1.44
49	1.71	1.47	1.30	2.10	1.19	.67	.64	1.44
50	.61	1.13	1.47	1.20	1.34	.60	.94	1.44
51	.69	.65	1.13	1.46	.44	1.20	.65	.65
52	1.21	1.13	3.25	.83	.90	1.71	.25	.65
53	3.40	1.35	.85	2.35	2.24	1.15	1.41	1.44
54	2.34	1.42	1.19	.71	1.69	.60	2.66	1.44
55	1.40	2.02	.52	1.15	.95	.23	.71	2.44
56	1.00	1.04	1.75	1.43	2.00	.75	2.30	.71
57	1.77	1.09	.77	3.85	1.92	2.12	1.44	.71
58	1.75	1.63	1.15	1.96	.50	2.00	2.00	.71
59	1.94	.95	1.99	1.45	2.40	.63	.87	.71
60	1.67	1.30	2.01	1.44	.60	.19	2.24	1.44
61	.63	1.69	2.39	2.34	1.21	1.38	.44	1.44
62	.75	3.01	1.59	1.24	.00	.5	2.75	.71
63	1.44	1.14	2.77	2.63	.74	1.26	.75	.71
64	*	*	2.00	3.29	2.11	1.07	1.69	1.44
65	2.50	1.31	1.70	1.26	1.30	3.23	.47	.71
66	1.42	4.05	3.62	1.90	1.71	.30	1.77	.71
67	1.95	1.23	1.47	3.01	2.00	1.05	2.77	1.44
68	1.70	1.03	2.77	2.77	3.05	.55	3.15	1.44
69	1.55	1.17	1.42	1.33	3.20	.63	1.40	1.44
70	.75	.75	4.21	.79	1.44	1.41	2.43	1.44
71	1.09	1.00	1.42	2.45	1.43	2.92	1.64	1.44
72	4.58	1.00	.72	1.00	4.27	1.73	2.19	.71
73	1.52	2.56	2.26	2.50	2.73	1.55	1.64	1.44
74	.03	1.23	.64	1.42	1.15	1.61	1.95	2.44
75	1.57	2.05	2.45	1.91	2.19	2.99	1.44	1.44
76	3.31	.70	2.20	.47	1.55	.65	1.40	2.44
77	1.45	1.55	3.91	1.40	.51	.65	1.30	1.44
78	3.29	.46	1.63	1.15	1.63	1.31	1.45	2.44
79	1.62	1.55	1.72	2.95	2.36	.47	.79	2.44
80	1.74	1.03	2.40	1.73	1.75	2.35	1.96	1.44

OF DAILY PRECIPITATION AMOUNTS IN INCHES  
 SUMMARY OF DAY DATA

PERIOD OF RECORD: 4609-6605								
MONTH: ALL HOURS: ALL								
MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
				TRACE*	.00*	.00*	.00*	TRACE*
1.33	.47	3.99	1.55	1.25	.33	4.92	1.35	4.92*
.57	.54	1.53	2.73	1.52	TRACE	1.12		2.73
.50	.94	1.44	3.51	1.45	.33	.93		3.51
1.20	.85	.15	2.45	.59	.50	2.23		2.43
1.75	.25	.02	.37	.54	1.02	1.58		3.25
1.15	1.41	1.56	2.09	.14	.54	1.75		3.40
.86	2.56	1.34	.53	.35	.72	1.32		2.66
.23	.71	2.67	.53	.67	1.27	.76		2.50
.75	2.39	.72	3.37	1.71	1.14	1.42		3.37
2.12	1.44	.01	1.60	.55	1.25	1.03		3.35
2.00	2.06	.60	2.20	2.32	.92	.95		2.32
.73	.67	.75	2.23	1.07	.58	.62		2.40
.19	2.24	1.99	1.75	2.43	.41	.06		2.43
1.38	.93	1.65	.39	.15	1.57	2.49		2.49
.57	2.75	.41	.75	4.45	2.40	.93		4.45
1.26	.73	.31	3.38	*	1.49	1.55		3.38*
1.57	1.55	1.57	.39	1.57	1.70	2.50		3.50*
3.23	.37	.74	.62	4.23	.43	.72		4.22
.32	1.77	.34	.71	2.34	2.55	1.55		4.05
1.05	2.77	2.34	.61	1.50	2.55	1.06		2.91
.55	3.15	1.22	1.03	.29	1.57	1.55		3.15
.63	3.00	2.00	1.57	.61	1.47	1.47		3.20*
1.51	2.43	1.36	1.67	2.53	1.03	1.14		4.21
2.92	1.54	1.52	3.46	.17	.73	1.40		3.45
1.75	2.19	.51	.90	1.65	1.25	2.12		4.65
1.55	1.54	1.07	2.53	.36	1.13	2.99		2.99
1.51	1.55	2.99	1.07	.72	1.02	1.59		2.60
2.99	1.43	2.73	.93	2.53	1.67	1.52		2.73
.53	1.40	2.35	.21	.33	1.43	.55*		3.31*
.55	1.50	1.34	1.41	3.38	3.22	.57*		3.91*
1.31	1.45	2.54	.31	.70	.95	1.27*		3.09*
.47	.70	2.07	1.35	1.43	1.43	.20		2.66
2.35	1.06	.45	1.23	1.06	.65	.43*		2.48*

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION SUMMARY  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722270 STATION NAME: DUBBINS AFB GA  
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
81	.27	2.25	2.10	.96	1.59	1.46	.82	1.71
82	3.25	4.40	1.44	2.52	.85	.89	.75	1.84
83	1.25	1.35	1.53	2.33	2.32	1.03	.66	.2
84	1.51	1.64	1.33	1.31	2.00	.64	1.54	1.14
85	.94	1.73	.73	1.54	2.42	1.10	1.55	2.2
86	.40	.63	1.42	.14	1.43	.95	1.19	1.7
87	2.35	1.74	.63	.67	1.15	1.55	.61	1.41
88	.00	1.24	.77	2.03	.57			

GREATEST 4.65 4.40 4.21 3.82 4.27 3.23 3.99 2.14

TOTAL OBS 1202 1152 1226 1260 1302 1230 1243 1247

THE GREATEST VALUE OF 4.92 OCCURRED ON 11/28/47

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 20% OF THE

DAILY PRECIPITATION AMOUNTS IN INCHES  
SUMMARY OF DAY DATA

STATION

PERIOD OF RECORD: 4609-6606

MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
22	1.40	.02	1.27	.71	.55	1.29	1.46*	2.25*
23	.49	.05	1.26	2.33	2.55	.56	1.70*	4.49*
30	1.03	.66	.20	1.47	.37	2.13	2.65*	2.65*
33	.64	1.54	1.15	.02	.45	1.44	1.08	2.60
40	1.10	1.55	2.30	.34	1.52	1.01	.78	2.49
44	.95	1.19	1.32	.69	3.45	1.55	.50*	3.45*
45	1.55	.51	1.01	1.75	.43	1.35	1.21*	2.85*
57								2.03*

.....  
2 2.23 3.79 2.29 3.51 4.45 4.02 2.99 4.92

.....  
3 1230 1243 1240 1217 1229 1219 1214 14798

.....  
1074-6606 11/24/47

WITH LESS THAN 20% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF ST  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722270

STATION NAME: GIBBINS AFB GA  
LST TO UTC: +05

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	
NONE	90.2	92.2	95.6	99.8	100.0	100.0	100.0	1
TRACE	7.5	6.2	3.2	.1				
0.1-0.4	.3	.4	.7					
0.5-1.4	.3	.6	.1	.1				
1.5-2.4	.4	.1	.1					
2.5-3.4		.3	.2					
3.5-4.4	.1	.2	.1					
4.5-5.4	.1		.1					
5.5-10.4								
10.5-15.4								
15.5-25.4								
25.5-50.4								
OVER 50.4								
DAYS WITH WEAS APTS	2.3	1.6	1.2	.1				
TOTAL NO. OF OBSERVATIONS	1097	1016	1147	1110	1147	1080	1080	1

### FIG 4. SUMMARY OF DAY DATA

4F, 5A

DECLASS OF AUTHORITY: 4609-6301, 6303-3405

MONTH: ALL      YEARS: ALL

[illegible]

OPERATING LOCATION: AA  
USAFETAC, ASHEVILLE, NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722270 STATION NAME: DUBBINS AFB GA  
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
46								
47	.0	.0	.0	.0	.0	.0	.0A	
48	TRACE*	TRACE	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	TRACE	.0	.0	.0	.0	.0
51	.0	TRACE	.2	.0	.0	.0	.0	.0
52	TRACE	4.0	TRACE	.0	.0	.0	.0	.0
53	TRACE	.3	.0	.0	.0	.0	.0	.0
54	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0
55	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0
56	TRACE	.0	.0	.0	.0	.0	.0	.0
57	.1	.0	.0	.0	.0	.0	.0	.0
58	.1	2.5	TRACE	.0	.0	.0	.0	.0
59	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0
60	TRACE	.1	12.0	.0	.0	.0	.0	.0
61	.7	TRACE	TRACE	.0	.0	.0	.0	.0
62	2.0	.0	.3	.0	.0	.0	.0	.0
63	TRACE							
64			TRACE	.0	.0	.0	.0	.0
65	TRACE	.9	TRACE	.0	.0	.0	.0	.0
70	1.7	TRACE	TRACE	.0	.0	.0	.0	.0
71	TRACE	1.0	.2	.0	.0	.0	.0	.0
72	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0
73	TRACE	TRACE	.0	.0	.0	.0	.0	.0
74	TRACE	TRACE	.0	.0	.0	.0	.0	.0
75	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0
76	TRACE	TRACE	.0	.0	.0	.0	.0	.0
77	1.6	.0	.0	.0	.0	.0	.0	.0
78	1.5	.2	.2	.0	.0	.0	.0	.0
79	.2	5.2	TRACE	.0	.0	.0	.0	.0
80	TRACE	3.0	TRACE	.0	.0	.0	.0	.0



MONTHLY SNOWFALL AMOUNTS IN INCHES  
SUMMARY OF DAY DATA

1950-51

PERIOD OF RECORD: 4609-5301, 5603-6605  
MONTH: ALL HOURS: ALL

DAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	.0	.0*	.0	.0	.0	.0	.0	.0*
2	.0	.0	.0	.0	.0	.0	.0	.0*
3	.0	.0	.0	.0	.0	.0	.0	TRACE*
4	.0	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
6	.0	.0	.0	.0	.0	TRACE	TRACE	.2
7	.0	.0	.0	.0	.0	.0	.0	4.0
8	.0	.0	.0	.0	.0	.0	TRACE	.8
9	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
10	.0	.0	.0	.0	.0	.0	TRACE	TRACE
11	.0	.0	.0	.0	.0	TRACE	.0	TRACE
12	.0	.0	.0	.0	.0	.0	TRACE	.1
13	.0	.0	.0	.0	.0	TRACE	5.1	7.7
14	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
15	.0	.0	.0	.0	.0	.0	.0	13.1
16	.0	.0	.0	.0	.0	.0	1.5	2.2
17	.0	.0	.0	.0	.0	.0	.4	3.0
18	.0	.0	.0	.0	.0	.0	.0	TRACE*
19	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE*
20	.0	.0	.0	.0	.0	TRACE	TRACE	.9
21	.0	.0	.0	.0	.0	TRACE	1.3	3.0
22	.0	.0	.0	.0	.0	TRACE	2.3	3.5
23	.0	.0	.0	.0	.0	TRACE	.0	TRACE
24	.0	.0	.0	.0	.0	.0	.2	.2
25	.0	.0	.0	.0	.0	.0	.2	.2
26	.0	.0	.0	.0	.0	.0	TRACE	.0
27	.0	.0	.0	.0	.0	.0	.0*	TRACE*
28	.0	.0	.0	.0	.0	.0	TRACE*	1.6*
29	.0	.0	.0	.0	.0	.0	.0*	1.0*
30	.0	.0	.0	.0	.0	.0	.0	5.4
31	.0	.0	.0	.0	.0	TRACE	.0*	3.3*

OPERATING LOCATION: 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA

LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
81	.0	TRACE	.0	.0	.0	.0	.0	.0
82	2.7	TRACE	.0	.0	.0	.0	.0	.0
83	5.2	1.0	6.2	.0	.0	.0	.0	.0
84	TRACE	1.0	.0	.0	.0	.0	.0	.0
85	.1	3.6	.0	.0	.0	.0	.0	.0
86	2.2	TRACE	.0	.0	.0	.0	.0	.0
87	6.0	.0	1.0	1.0	.0	.0	.0	.0
88	2.0	TRACE	TRACE	.0	.0			

LEAST	.0	.0	.0	.0	.0	.0	.0	.0
GREATEST	6.0	5.2	12.4	1.0	.0	.0	.0	.0
MEAN	.7	.6	.6	TRACE	.0	.0	.0	.0
MEDIAN	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0
SD	1.466	1.317	2.305	.164	.000	.000	.000	.000
TOTAL DRS	1027	1015	1147	1110	1147	1050	1050	1050

THE GREATEST VALUE OF 12.4 OCCURRED ON 03/83

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 30% OF THE

MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

APR 04 PERIOD OF RECORD: 4603-6301, 6503-8005  
MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
.0	.0	.0	.0	.0	.0	.0	TRACE*	TRACE*
.0	.0	.0	.0	.0	.0	.0	.0*	2.7*
.0	.0	.0	.0	.0	.0	.0	TRACE*	12.4*
.0	.0	.0	.0	.0	.0	.0	TRACE	1.0
.0	.0	.0	.0	.0	.0	.0	TRACE	3.7
.0	.0	.0	.0	.0	.0	.0	TRACE*	2.2*
.0	.0	.0	.0	.0	.0	.0	.0*	9.0*
.0	.0	.0	.0	.0	.0	.0	.0	2.0*

.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	5.1	13.1
.0	.0	.0	.0	.0	.0	TRACE	.4	2.1
.0	.0	.0	.0	.0	.0	.0	TRACE	.0
1000	1030	1060	1090	1000	1000	1150	1090	3.132
97	100	1065	1065	1080	1114	1080	1054	13111

100000 IN 03/50

WITH LESS THAN 10% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION: 'A'  
USAFPTAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722270 STATION NAME: DORRINS AFB GA  
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL
46							
47	.0	.0	.0	.0	.0	.0	.0*
48	TRACE*	TRACE	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	TRACE	.0	.0	.0	.0
51	.0	TRACE	.2	.0	.0	.0	.0
52	TRACE	4.0	TRACE	.0	.0	.0	.0
53	TRACE	.8	.0	.0	.0	.0	.0
54	TRACE	TRACE	TRACE	.0	.0	.0	.0
55	TRACE	TRACE	TRACE	.0	.0	.0	.0
56	TRACE	.0	.0	.0	.0	.0	.0
57	.1	.0	.0	.0	.0	.0	.0
58	.1	2.5	TRACE	.0	.0	.0	.0
59	TRACE	TRACE	TRACE	.0	.0	.0	.0
60	TRACE	.1	4.0	.0	.0	.0	.0
61	.7	TRACE	TRACE	.0	.0	.0	.0
62	1.5	.0	.0	.0	.0	.0	.0
63	TRACE						
64			TRACE	.0	.0	.0	.0
65	TRACE	.7	TRACE	.0	.0	.0	.0
70	.7	TRACE	TRACE	.0	.0	.0	.0
71	TRACE	1.0	.0	.0	.0	.0	.0
72	TRACE	TRACE	TRACE	.0	.0	.0	.0
73	TRACE	TRACE	.0	.0	.0	.0	.0
74	TRACE	TRACE	.0	.0	.0	.0	.0
75	TRACE	TRACE	TRACE	.0	.0	.0	.0
76	TRACE	TRACE	.0	.0	.0	.0	.0
77	1.6	.0	.0	.0	.0	.0	.0
78	.0	.2	.1	.0	.0	.0	.0
79	.2	2.8	TRACE	.0	.0	.0	.0
80	TRACE	3.0	TRACE	.0	.0	.0	.0

DAILY SNOWFALL AMOUNTS IN INCHES  
 24-HOUR SUMMARY OF DAY DATA

TRF SA

PERIOD OF RECORD: 4609-6301, 6103-8-05  
 MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
				.0	.0	.0	.0	.0*
.0	.0	.0*		.0	.0	.0	.0	.0*
.0	.0	.0	.0	.0	.0	.0	.0	TRACE*
.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
.0	.0	.0	.0	.0	.0	TRACE	TRACE	.2
.0	.0	.0	.0	.0	.0	.0	.0	4.0
.0	.0	.0	.0	.0	.0	.0	TRACE	.0
.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
.0	.0	.0	.0	.0	.0	.0	.0	TRACE
.0	.0	.0	.0	.0	.0	.0	.0	.1
.0	.0	.0	.0	.0	.0	TRACE	3.0	3.0
.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
.0	.0	.0	.0	.0	.0	.0	.2	4.0
.0	.0	.0	.0	.0	.0	.0	1.0	1.0
.0	.0	.0	.0	.0	.0	.0	.4	1.0
								TRACE*
.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE*
.0	.0	.0	.0	.0	.0	TRACE	TRACE	.7
.0	.0	.0	.0	.0	.0	TRACE	.0	.0
.0	.0	.0	.0	.0	.0	TRACE	2.3	2.3
.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
.0	.0	.0	.0	.0	.0	.0	.2	.2
.0	.0	.0	.0	.0	.0	.0	.0	.2
.0	.0	.0	.0	.0	.0	.0	TRACE	.0
.0	.0	.0	.0	.0	.0	.0	.0*	TRACE*
.0	.0	.0	.0	.0	.0	.0	TRACE*	1.0*
.0	.0	.0	.0	.0	.0	.0	.0*	.0*
.0	.0	.0	.0	.0	.0	.0	.0	2.0
.0	.0	.0	.0	.0	.0	TRACE	.0*	5.0*

OPERATING LOCATION 'A'  
USAFETAG, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722270 STATION NAME: DOWNS APT 04  
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
81	.0	TRACE	.0	.0	.0	.0	.0	.
82	1.2	TRACE	.0	.0	.0	.0	.0	.
83	4.4	1.0	6.2	.0	.0	.0	.0	.
84	TRACE	.7	.0	.0	.0	.0	.0	.
85	.1	3.6	.0	.0	.0	.0	.0	.
86	2.2	TRACE	.0	.0	.0	.0	.0	.
87	5.0	.0	1.0	1.0	.0	.0	.	.
88	2.0	TRACE	TRACE	.0	.0	.	.	.

GREATEST 6.2 4.9 6.2 1.0 .0 .0 .0 .

TOTAL 345 1087 1014 1147 1110 1147 1000 1000 1000

THE GREATEST VALUE OF 6.2 OCCURRED ON 03/24/83

NOTE: ALL VALUES WERE BASED ON A MONTH WITH LESS THAN 10 DAYS

FILE: DOWBALL PRINTS 1, 1-1-75  
 1-1-75 1-1-75

PRINTED BY: CPM: 4509-4501, 1-1-75  
 MONTH: ALL HOURS: ALL

DATE	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1

1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1

1-1-75 1-1-75

1-1-75 1-1-75

OPERATING LOCATION: 1A  
 WEATHERING, ARMYVILLE, MO

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
 FROM 10 MAY TO 10 MAY 1961

STATION NUMBER: 722270 STATION NAME: DODGING ARMY  
 LST TO UTC: +15

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL
0.0	96.9	97.3	98.5	100.0	100.0	100.0	100.0
TRACE	2.6	1.5	.4				
1	1.7	.7	.4				
2	.8	.2	.1				
3	.2	.3	.2				
4--	.1						
7-12							
13-24							
25-36							
37-4							
47-60							
61-120							
121-120							
DAYS WITH NO AS AMTS	2.7	1.2	.7				
TOTAL 0.0-7.11 IN	12.2	11.5	13.2	12.0	13.2	12.0	12.4



STUDY OF OCCURRENCE OF SNOW DEPTH IN INCHES  
 SUMMARY OF DAY DATA

STATION: 44 PERIOD OF RECORD: 4607-1955  
 MONTH: ALL RECORDS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.9	99.1
							1.0	.5
							.1	.2
								.1
								.1
								.0

							.1	.4
--	--	--	--	--	--	--	----	----

1247	1247	1247	1247	1250	1259	1230	1223	150.52
------	------	------	------	------	------	------	------	--------

OPERATING LOCATION: 1A  
USAFOTAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AND HLT  
FROM SUMMARY 15 DAY DATA

STATION NUMBER: 722270 STATION NAME: LORAINS AFB GA  
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL
46							
47	0	0	0	0	0	0	0
48	TRACE	0	0	0	0	0	0
49	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0
51	0	0	TRACE	0	0	0	0
52	0	1	0	0	0	0	0
53	0	TRACE	0	0	0	0	0
54	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0
56	TRACE	0	0	0	0	0	0
57	0	0	0	0	0	0	0
58	0	TRACE	0	0	0	0	0
59	0	0	0	0	0	0	0
60	0	TRACE	0	0	0	0	0
61	1	0	0	0	0	0	0
62	0	0	TRACE	0	0	0	0
63	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0
66	1	0	0	0	0	0	0
67	0	0	0	0	0	0	0
68	1	0	0	0	0	0	0
69	0	1	0	0	0	0	0
70	1	0	0	0	0	0	0
71	TRACE	1	1	0	0	0	0
72	0	0	0	0	0	0	0
73	1	0	0	0	0	0	0
74	0	TRACE	0	0	0	0	0
75	0	0	0	0	0	0	0
76	TRACE	0	0	0	0	0	0
77	1	0	0	0	0	0	0
78	TRACE	TRACE	0	0	0	0	0
79	0	0	0	0	0	0	0
80	0	1	0	0	0	0	0

2000 SUMMARY OF PAY RATE

24

04. I TO OF DEC 1991: 4000-5000

MONTH: ALL      HQPS: ALL

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	0	0	0*	0	0	0	0	0	0*
2	0	0	0	0	0	0	0	0	0*
3	0	0	0	0	0	0	0	0	TRACE
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	TRACE
7	0	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	TRACE
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	TRACE
12	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	TRACE
14	0	0	0	0	0	0	0	0	TRACE
15	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	TRACE
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	TRACE
19	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0
33	0	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	0
37	0	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0
47	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0
79	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0
81	0	0	0	0	0	0	0	0	0
82	0	0	0	0	0	0	0	0	0
83	0	0	0	0	0	0	0	0	0
84	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0
86	0	0	0	0	0	0	0	0	0
87	0	0	0	0	0	0	0	0	0
88	0	0	0	0	0	0	0	0	0
89	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0
91	0	0	0	0	0	0	0	0	0
92	0	0	0	0	0	0	0	0	0
93	0	0	0	0	0	0	0	0	0
94	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0
96	0	0	0	0	0	0	0	0	0
97	0	0	0	0	0	0	0	0	0
98	0	0	0	0	0	0	0	0	0
99	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0
101	0	0	0	0	0	0	0	0	0
102	0	0	0	0	0	0	0	0	0
103	0	0	0	0	0	0	0	0	0
104	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0
106	0	0	0	0	0	0	0	0	0
107	0	0	0	0	0	0	0	0	0
108	0	0	0	0	0	0	0	0	0
109	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0
111	0	0	0	0	0	0	0	0	0
112	0	0	0	0	0	0	0	0	0
113	0	0	0	0	0	0	0	0	0
114	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0
116	0	0	0	0	0	0	0	0	0
117	0	0	0	0	0	0	0	0	0
118	0	0	0	0	0	0	0	0	0
119	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0
121	0	0	0	0	0	0	0	0	0
122	0	0	0	0	0	0	0	0	0
123	0	0	0	0	0	0	0	0	0
124	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0
126	0	0	0	0	0	0	0	0	0
127	0	0	0	0	0	0	0	0	0
128	0	0	0	0	0	0	0	0	0
129	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0
131	0	0	0	0	0	0	0	0	0
132	0	0	0	0	0	0	0	0	0
133	0	0	0	0	0	0	0	0	0
134	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0
136	0	0	0	0	0	0	0	0	0
137	0	0	0	0	0	0	0	0	0
138	0	0	0	0	0	0	0	0	0
139	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0
141	0	0	0	0	0	0	0	0	0
142	0	0	0	0	0	0	0	0	0
143	0	0	0	0	0	0	0	0	0
144	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0
146	0	0	0	0	0	0	0	0	0
147	0	0	0	0	0	0	0	0	0
148	0	0	0	0	0	0	0	0	0
149	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0
151	0	0	0	0	0	0	0	0	0
152	0	0	0	0	0	0	0	0	0
153	0	0	0	0	0	0	0	0	0
154	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0
156	0	0	0	0	0	0	0	0	0
157	0	0	0	0	0	0	0	0	0
158	0	0	0	0	0	0	0	0	0
159	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0
161	0	0	0	0	0	0	0	0	0
162	0	0	0	0	0	0	0	0	0
163	0	0	0	0	0	0	0	0	0
164	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0
166	0	0	0	0	0	0	0	0	0
167	0	0	0	0	0	0	0	0	0
168	0	0	0	0	0	0	0	0	0
169	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0
171	0	0	0	0	0	0	0	0	0
172	0	0	0	0	0	0	0	0	0
173	0	0	0	0	0	0	0	0	0
174	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0
176	0	0	0	0	0	0	0	0	0
177	0	0	0	0	0	0	0	0	0
178	0	0	0	0	0	0	0	0	0
179	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0
181	0	0	0	0	0	0	0	0	0
182	0	0	0	0	0	0	0	0	0
183	0	0	0	0	0	0	0	0	0
184	0	0	0	0	0	0	0	0	0
185	0	0	0	0	0	0	0	0	0
186	0	0	0	0	0	0	0	0	0
187	0	0	0	0	0	0	0	0	0
188	0	0	0	0	0	0	0	0	0
189	0								

OPERATING LOCATION: 'A'  
USAFETAC, ASHEVILLE, NC

EXTREME DAILY SUNBURN DEPTH AMOUNT IN  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722270

STATION NAME: JOBBINS AFB GA

LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
81	0	0	0	0	0	0	0	0
82	2	TRACE	0	0	0	0	0	0
83	1	1	1	0	0	0	0	0
84	0	1	0	0	0	0	0	0
85	TRACE	3	0	0	0	0	0	0
86	2	0	0	0	0	0	0	0
87	4	0	1	0	0	0	0	0
88	2	0	0	0	0	0	0	0

GREATEST	4	3	3	0	0	0	0	0
TOTAL DAYS	1282	1165	1302	1250	1302	123	124	124

THE GREATEST VALUE OF 4 OCCURRED ON 01/22/87

NOTE: THIS VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE

DAILY SNOW DEPTH AMOUNTS IN INCHES  
 SUMMARY OF DAY DATA

11

PERIOD OF RECORD: 4409-4606  
 MONTH: ALL HOURS: ALL

DAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	0	0	0	0	0	0	0*	0*
	0	0	0	0	0	0	0*	2*
	0	0	0	0	0	0	TRACE*	1*
	0	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	3
	0	0	0	0	0	0	0*	2*
	0	0	0	0	0	0	0*	4*
								2*

	0	0	0	0	0	0	1	4
123	124	125	126	127	128	129	130	131

11/11/77 11/22/77

WITH LESS THAN 10 INCH DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION: JAM  
USAFETAC, ASHEVILLE, NC

FIRST AND LAST DAYS OF OCCURRENCE OF  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 722272 STATION NAME: DOWNS AREA 2A

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL
47 - 48	JAN 23			FEB 10
49 - 50	JAN 23			FEB 10
50 - 51	NOV 24	MAR 14		MAR 14
51 - 52	NOV 23	FEB 26	FEB 27	MAR 24
52 - 53	JAN 23	FEB 14		FEB 10
53 - 54	DEC 14			MAR 11
54 - 55	NOV 14			MAR 11
55 - 56	DEC 01			DEC 01
56 - 57	NOV 26	JAN 11		JAN 11
57 - 58	DEC 11	JAN 29		MAR 21
58 - 59	NOV 28	DEC 11		MAR 11
59 - 60	NOV 27	FEB 21	MAR 06	MAR 11
60 - 61	DEC 12	DEC 18	JAN 29	MAR 11
61 - 62	DEC 24	DEC 31	JAN 19	MAR 11
62 - 63	DEC 05	DEC 06		JAN 11
63 - 64			JAN 01	
64 - 65			JAN 15	
65 - 66			JAN 26	
67 - 68	MAR 01		JAN 14	MAR 26
68 - 69	NOV 09	FEB 16	FEB 16	MAR 11
69 - 70	NOV 14	JAN 11	JAN 23	MAR 17
70 - 71	NOV 04	DEC 30	FEB 13	MAR 11
71 - 72	NOV 23	DEC 03	DEC 04	MAR 11
72 - 73	NOV 26		JAN 29	MAR 11
73 - 74	DEC 10	DEC 21		MAR 11
74 - 75	DEC 01	DEC 17		MAR 17
75 - 76	NOV 13	NOV 23		MAR 11
76 - 77	JAN 13	JAN 24	JAN 24	JAN 11
77 - 78	DEC 04	JAN 26		MAR 17
78 - 79	JAN 02	JAN 24	FEB 10	MAR 26
79 - 80	JAN 05	FEB 06	FEB 06	MAR 17
80 - 81	NOV 26			MAR 11

1. DAYS OF OCCURRENCE BY SNOW-YEAR  
 SUMMARY OF DAY DATE

STATION		PERIOD OF RECORD: 4809-4805	
		SNOW-YEAR: 1 AUG - 31 JUL	
TEST	LAST	LAST	LAST
MEASURABLE	SNOWFALL	MEASURABLE	MEASURABLE
DEPTH	SNOWFALL	SNOWFALL	SNOW DEPTH
	FEB 10		
	MAR 14	MAR 14	
27	MAR 24	FEB 26	FEB 27
	FEB 15	FEB 14	
	MAR 01		
	MAR 26		
	JAN 27		
	JAN 11	JAN 11	
	MAR 21	FEB 18	
	MAR 17	DEC 19	
28	MAR 20	MAR 15	MAR 12
29	MAR 25	JAN 20	JAN 2
30	MAR 06	MAR 06	JAN 13
	JAN 27	DEC 26	
31			JAN 02
32			JAN 15
33			JAN 31
34	MAR 23		FEB 29
35	MAR 06	FEB 16	FEB 16
36	MAR 17	JAN 23	JAN 23
37	MAR 26	MAR 25	MAR 25
38	MAR 26	DEC 03	DEC 24
39	FEB 16		JAN 11
	FEB 26	DEC 21	
	MAR 10	DEC 17	
	FEB 01	NOV 23	
40	JAN 31	JAN 24	JAN 25
	MAR 17	MAR 03	
41	MAR 25	FEB 13	FEB 26
42	MAR 02	FEB 06	FEB 05
	MAR 11		

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 720270

STATION NAME: JOHNS AFB GA

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL
81 - 82	DEC 19	JAN 12	JAN 12	FEB 27
82 - 83	JAN 12	JAN 20	JAN 21	MAR 24
83 - 84	DEC 27	FEB 06	FEB 06	MAR 27
84 - 85	DEC 06	JAN 20	FEB 12	FEB 12
85 - 86	DEC 14	JAN 27	JAN 27	FEB 12
86 - 87	DEC 12	JAN 22	JAN 22	MAR 12
87 - 88	JAN 06	JAN 07	JAN 07	MAR 12
MEDIAN-DATE	DEC 06	JAN 16	JAN 24	



ST DAYS OF OCCURRENCE BY SNOW-YEAR  
SUMMARY OF DAY DATA

STATION: 4609-3005  
PERIOD OF RECORD: 1 AUG - 31 JUL  
SNOW-YEAR: 1 AUG - 31 JUL

.....			
FIRST SNOWFALL DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
.....			
NOV 13	DEC 27	JAN 14	JAN 14
NOV 21	MAR 24	MAR 24	MAR 24
DEC 06	APR 21	APR 21	APR 24
DEC 12	FEB 12	FEB 12	FEB 13
DEC 27	FEB 2	JAN 27	JAN 27
NOV 22	APR 04	APR 23	MAR 12
NOV 01	MAR 14	JAN 07	JAN 11
NOV 24	DEC 07	FEB 09	JAN 31

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AAAAAA  
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 AA AA  
 AAAAAAAAAA  
 AAAAAAAAAA  
 AA AA  
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# PART C

## SURFACE WIND SUMMARIES

### PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING THROUGH JUNE 1948, BUT IN JULY 1948, ALL STATIONS OF WEATHER SERVICE STARTED RECORDING DIRECTIONS IN 10° IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE PEAK WIND RECORD FOR THE ENTIRE PERIOD OF RECORD. A VALUE FOR A MONTH FOR WHICH LESS THAN 20% OF THE DAY ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE DAYS

### PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED FOR YEARS COMBINED, FOR ELEVEN WIND SPEEDS OF WIND. IT INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED AS "CALM," THAT COUNT GOES INTO THE "1-4 MPH" DAY MEANS, MEDIAN, AND TOTAL OBSERVATION COUNTS. IT DOES NOT ACCOUNT FOR A PEAK WIND BEING RECORDED FOR TWO DAYS

### WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM DAILY OBSERVATIONS. IN THE DATA OF FULL AS:

- BY NIGHT 2-HOUR STATIONS IN 10° OF 15° OF 10°
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A GRAPHICAL REPRESENTATION OF THE WIND FREQUENCY (PERCENT) FOR EACH WIND SPEED AND DIRECTION. "CALM" IS GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N, S, E, W) TOTAL PERCENTAGES, MEANS, AND MEDIAN FOR EACH SPEED OF OBSERVATION COUNTS, ARE PRINTED AT THE END OF EACH SUMMARY.

### ALSO PROVIDED: A GRAPHICAL REPRESENTATION OF THE WIND FREQUENCY FOR EACH WIND DIRECTION VS WIND SPEED.

AND THE VISIBILITY IN CERTAIN YEARS OF RECORD. IN THE RECORDING MONTH OF 1948, THE VISIBILITY IN 1948 IS 1000 FEET. IF THIS COMBINED IS 1000 FEET, THEN THE VISIBILITY IN 1948 IS 1000 FEET. IF THIS COMBINED IS 1000 FEET, THEN THE VISIBILITY IN 1948 IS 1000 FEET.

CONVERSION: 1 INCH = .0254 METERS (2.54 CM PER INCH)

## PART C

### WIND AND SUMMARY

1. SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. OBSERVATIONS FROM THE BEGINNING OF PERIOD OF RECORD (JULY 1964). ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE REPORT DIRECTIONS IN TENS OF DEGREES. DATA FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD. LATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE MAXIMUM AND MINIMUM. AN APOSTROPHE (') INDICATES MORE THAN 90% OF THE DATA ARE AVAILABLE. AN X (X) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

2. FREQUENCY. DATA IS SUMMARIZED BY MONTH, FOR ALL WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP IS REPORTED FOR A PARTICULAR DAY AND THE "1-4 KNOT" CATEGORY. TABLES INCLUDE OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ARE REPORTED FOR EACH DAY OF EACH MONTH.

3. FREQUENCY OF OCCURRENCE OF WIND. THEY SUMMARIZE

4. FREQUENCY OF WIND DIRECTION (ALL YEARS COMBINED).

5. ALL WIND DIRECTION.

6. ALL WIND DIRECTION.

7. FREQUENCY OF THE PRESENT OCCURRENCE OF WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION. "CALM" AND "VARIABLE" WINDS ARE NOT IN DIRECTIONS (N, E, S, W) APPEAR FOR REFERENCE. THE WINDS FOR EACH SECTION, ALONG WITH TOTAL OBSERVATIONS FOR EACH SUMMARY.

8. FREQUENCY OF WIND DIRECTION VERSUS WIND SPEED. THE FOLLOWING CONDITIONS ARE:

9. WIND SPEED IS EQUAL TO 1/2 MILES (800 METERS) OR MORE BUT LESS THAN 1600 FEET. THE FOLLOWING CONDITION IS TESTED: IF WIND SPEED IS EQUAL TO 200 FEET, THE VISIBILITY MUST BE 1/2 (800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

10. WIND SPEED

OPERATING LOCATION: IAF  
USAFETAC, ASHEVILLE, NC

PERIOD: 604-4000 1000 11 00 00  
EIGHT SUMMER MONTHS DATA

STATION NUMBER: 722270 STATION NAME: TALLING AIR GA  
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
51		W 45	S 37	SS 42	W 34	W 75	SS 47	W 39
52	W 42	W 45	S 42	SW 42	W 40	W 43	SS 31	W 43
53	W 30	W 51	W 37	W 40	SS 25	W 47	W 40	W 43
54	W 52	SS 50	W 40	W 37	W 50	W 42	W 50	W 43
55	W 42	W 43	W 41	W 45	W 53	W 44	SS 35	W 26
56	W 35	W 64	W 52	W 47	W 36	W 33	W 42	W 35
57	W 36	W 37	W 32	W 44	W 40	W 44	W 35	W 43
58	W 40	W 42	W 32	W 43	W 35	W 35	SS 42	W 35
59	W 51	W 34	W 40	W 35	W 35	W 29	SS 42	W 35
60	W 35	W 42	W 30	W 31	W 45	W 45	W 25	W 35
61	W 43	W 43	W 47	W 45	W 32	W 35	SS 45	W 31
62	W 35	SS 35	W 47	W 42	W 27	W 25	SS 45	W 35
63	W 45	W 43	W 35	W 29	W 27	W 36	W 37	W 25
64	W 33	W 32	W 37	W 39	W 35	W 35	W 25	W 35
65	W 43	SS 47	W 44	W 35	SS 40	W 27	W 33	W 35
66	W 45	SS 35	W 33	W 35	W 35	W 27	W 35	W 35
67	W 33	W 35	W 35	W 37	W 34	W 29	W 35	W 35
68	W 33	W 35	W 43	W 34	W 42	W 51	W 37	W 42
69	22/ 24	31/ 33	12/ 44	12/ 32	30/ 35	30/ 29	22/ 35	22/ 35
70	22/ 35	22/ 35	26/ 31	23/ 35	12/ 25	17/ 35	32/ 35	25/ 35
71	30/ 34	31/ 35	24/ 35	30/ 35	24/ 45	31/ 35	31/ 47	25/ 35
72	32/ 35	33/ 44	22/ 35	30/ 44	31/ 27	23/ 35	21/ 31	25/ 37
73	23/ 35	31/ 29	23/ 34	35/ 35	27/ 45	27/ 27	23/ 21	27/ 25
74	33/ 24	27/ 33	27/ 44	32/ 30	23/ 37	20/ 24	20/ 35	12/ 41
75	25/ 35	29/ 25	22/ 45	22/ 45	34/ 33	22/ 27	12/ 35	35/ 35
76	31/ 34	31/ 35	32/ 45	25/ 25	15/ 22	31/ 25	30/ 37	30/ 35
77	30/ 35	15/ 34	33/ 35	30/ 33	19/ 42	23/ 43	35/ 40	31/ 45
78	25/ 43	25/ 35	32/ 35	25/ 35	15/ 39	33/ 25	11/ 32	29/ 25
79	31/ 35	32/ 33	15/ 33	32/ 35	32/ 25	32/ 27	30/ 27	31/ 25
80	31/ 32	24/ 41	30/ 35	30/ 35	15/ 25	31/ 34	35/ 32	32/ 35
81	32/ 25	27/ 34	32/ 42	22/ 32	24/ 35	35/ 32	32/ 22	21/ 35
82	25/ 35	32/ 31	30/ 35	27/ 35	19/ 21	27/ 32	33/ 19	11/ 25
83	31/ 42	15/ 25	10/ 34	12/ 31	30/ 25	30/ 23	33/ 35	12/ 25
84	22/ 34	27/ 40	27/ 45	23/ 25	25/ 45	29/ 35	32/ 25	17/ 21
85	33/ 35	30/ 40	33/ 32	25/ 45	25/ 20	34/ 32	31/ 35	21/ 25

# DEAR SURFACE WINDS IN KNOTS

FROM SUMMARY 4 DAY DATA

APR 64

POSITION OF RECORD: 5102-1000

MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
34	44	75	SSW 49	SW 50	SW 47	SSW 30	NW 39	W 40
40	42	43	SSW 31	N 49	N 35	NNW 46	NW 38	WSW 37
25	44	47	NNW 50	NNW 43	NNW 40	NNW 35	NW 32	NW 35
50	44	47	NNW 50	NNW 50	NNW 44	N 43	S 47	WSW 47
53	44	44	SSW 35	NNW 26	NNW 33	WSW 42	N 34	NW 30
46	43	39	SW 42	SSW 30	NNW 30	NW 26	NW 34	NNW 35
40	44	44	SSW 33	N 35	NNW 31	NW 30	NNW 48	N 45
35	44	38	SW 52	SSW 23	SW 24	SSW 25	NNW 32	NW 32
35	45	29	SW 42	SSW 35	NNW 21	E 33	NNW 32	N 37
45	4	45	N 29	N 38	SSW 40	SW 35	SSW 23	NNW 35
32	38	35	SSW 40	N 31	NNW 20	NNW 30	NW 27	SW 43
27	4	25	SSW 40	N 35	NNW 20	N 33	NW 35	NW 32
27	38	36	E 37	N 24	NNW 23	N 20	NNW 26	N 24
38	44	38	E 25	NW 33	E 36	NNW 31	NNW 34	NNW 30
4	38	27	NNW 33	NNW 30	N 25	NNW 33	WSW 39	NW 25
37	37	27	SSW 37	NNW 23	NNW 18	N 20	NNW 25	NNW 25
4	4	24	NNW 29	SW 22	N 20	NW 33	NNW 30	NW 37
42	38	31	14/ 37	03/ 42	12/ 20	27/ 27	29/ 29	31/ 35
35	30/ 29	24/ 35	00/ 34	00/ 23	00/ 35	31/ 40	22/ 34	12/ 46
25	17/ 35	32/ 33	25/ 22	26/ 34	35/ 12	32/ 23	33/ 31	20/ 33
41	31/ 35	31/ 47	23/ 24	27/ 20	31/ 29	31/ 34	31/ 31	31/ 47
17	23/ 33	21/ 41	25/ 47	23/ 31	09/ 34	09/ 27	31/ 40	25/ 47
47	27/ 27	20/ 21	07/ 23	00/ 27	32/ 22	29/ 26	19/ 35	27/ 45
37	20/ 24	00/ 35	13/ 41	00/ 27	33/ 21	22/ 24	00/ 25	27/ 46
33	22/ 27	10/ 33	32/ 32	15/ 47	15/ 35	31/ 23	34/ 35	15/ 47
22	31/ 2	35/ 37	30/ 32	31/ 25	33/ 29	36/ 32	31/ 35	35/ 40
42	33/ 43	33/ 40	33/ 40	35/ 30	23/ 23	24/ 33	30/ 34	33/ 43
39	33/ 25	11/ 32	29/ 26	11/ 23	31/ 30	30/ 22	20/ 34	25/ 43
29	32/ 27	30/ 22	01/ 32	13/ 39	32/ 26	32/ 29	33/ 35	13/ 39
15	31/ 34	35/ 32	30/ 32	12/ 35	25/ 25	25/ 25	25/ 24	25/ 41
15	35/ 32	32/ 29	21/ 33	01/ 42	29/ 27	30/ 29	35/ 25	32/ 42
21	27/ 32	33/ 19	11/ 20	10/ 19	34/ 21	32/ 27	25/ 29	30/ 39
25	30/ 23	33/ 35	12/ 26	23/ 25	10/ 23	14/ 23	32/ 39	31/ 42
43	30/ 34	32/ 25	17/ 21	34/ 27	24/ 27	27/ 50	31/ 35	27/ 50
25	34/ 52	31/ 35	21/ 25	13/ 24	09/ 34	33/ 35	34/ 32	44/ 52

OPERATING LOCATION: '1'  
 DEARBORO, ASHEVILLE, NC

PEAK SURFACE WINDS IN MPH  
 FROM DIRECTION OF DAY

STATION NUMBER: 720270 STATION NAME: DORRIS SEA 04  
 LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
86	33/ 35	35/ 37	29/ 32	32/ 29	15/ 20	21/ 32	27/ 32	29/ 32
87	22/ 36	01/ 39	11/ 27	31/ 26	03/ 30	21/ 35	19/ 32	32/ 32
88	09/ 29	33/ 32	24/ 21	25/ 35	33/ 32			

GREATEST	4	52	28W 64	2W 52	38W 52	53	28W 71	27E 69	28W 69
TOTAL YES	1112	1058	1176	1124	1150	1101	1145	1110	1110

THE PEAK WIND OF 71 FROM 28W OCCURRED ON 06/07/81

NOTE: WIND VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DAY  
 WIND VALUE IS 100 OR GREATER WITH LESS THAN 4% OF DAY



SEA SURFACE WINDS IN KNOTS  
 FROM SUMMARY OF DAY DATA

STATION: 5102-3405  
 PERIOD OF RECORD: 5102-3405  
 MONTH: ALL HOURS: ALL

	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1	31/ 32	03/ 41	24/ 36	30/ 20	29/ 27	13/ 30	14/*26	01/*41
2	21/ 36	19/ 29	33/ 46	16/ 26	30/ 34	33/ 33	30/*32	33/*46
3								23/*26

1	1105	1145	1135	1107	1145	1110	1027	13479
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COPIED TO 06/07/51

WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH  
 WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION: 1A1  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WIND  
FROM SUMMARY OF WIND DATA

STATION NUMBER: 722273 STATION NAME: D. BRINS AFB GA  
LST TO UTC: +05

MONTH	WIND SPEEDS IN KNOTS							
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35+
JAN	.6	7.1	24.2	23.3	21.0	11.0	.0	.0
FEB	.5	4.7	21.2	24.1	21.4	14.0	7.0	.0
MAR	.1	3.5	20.1	20.7	23.5	14.3	7.0	.0
APR	.1	2.9	21.7	29.1	23.0	12.7	0.0	.0
MAY	.4	9.6	33.6	29.5	16.0	4.2	2.2	1.0
JUN	.4	9.3	40.5	25.3	13.2	4.4	2.1	1.0
JUL	.2	9.4	40.4	27.2	12.3	4.2	2.0	1.0
AUG	.4	13.9	43.2	23.4	11.4	3.5	1.0	.0
SEP	.4	13.2	43.5	23.3	10.4	3.2	1.0	.0
OCT	.5	12.1	35.6	23.5	14.3	5.2	2.1	.0
NOV	.3	11.9	32.5	23.3	17.7	7.0	4.1	1.0
DEC	.6	11.5	28.1	24.0	13.1	3.0	0.0	.0
ANNUAL	.4	9.1	32.3	25.7	16.9	.1	4.3	1.0

# FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS OR SUMMARY OF DAY DATA

STATION: 5103-0005  
 PERIOD OF RECORD: 8103-0005  
 MONTH: ALL HOURS: ALL

WIND SPEEDS IN KNOTS							MEAN	MEDIAN	TOTAL
20-24	25-29	30-34	35-39	40-44	45-49	50-54	WIND	WIND	COUNT
11.0	6.0	2.7	.9	.2	.0	.0	19.3	15.0	1112
14.0	7.0	3.2	1.2	.4	.0	.0	20.3	18.0	1054
14.0	7.0	.6	1.0	.2	.0	.0	20.0	20.0	1175
11.0	6.0	3.1	2.0	.1	.0	.0	20.0	18.0	1124
6.0	2.0	1.4	.2	.3	.0	.0	16.0	16.0	1152
6.0	2.1	1.5	1.1	.4	.2	.0	16.2	14.0	1104
6.0	1.0	1.4	1.7	.3	.1	.0	16.3	14.5	1145
6.0	1.0	.7	.7	.4	.1	.0	15.0	16.0	1136
6.0	1.0	.6	.6	.1	.0	.0	14.7	14.0	1107
6.0	2.1	.4	.3	.0	.0	.0	15.5	14.0	1145
2.0	4.1	1.1	.0	.1	.0	.0	16.7	15.0	1110
6.0	6.1	2.0	.0	.0	.0	.0	17.7	16.0	1097
.1	4.3	1.0	1.1	.2	.0	.0	17.4	15.0	10479

OPERATING LOCATION: WAM  
USAF/AFAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM 4 DIRLY OBSERVATIONS

STATION NUMBER: 702070

STATION NAME: DORRIS AFB GA  
LSI TO MIC: + 5

		WIND SPEED IN KNOTS									
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(000-089)											
(N) 350-010		10.0				5.0					
020-040											
050-070											
(1) 080-100		5.0		5.0							
110-130		5.0	5.0								
140-160											
(S) 170-190											
200-220		5.0									
230-250		10.0									
(W) 260-280											
290-310			5.0								
320-340		5.0		5.0							
.....											
VARIABLE											
CALC //											
TOTALS		40.0	10.0	40.0		5.0					
.....											
TOTAL NUMBER OF OBSERVATIONS 20											
.....											

TABLE OF OCCURRENCE SURFACE WIND DIRECTION, VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION: 34 PERIOD OF RECORD: JUN 71 - MAY 72  
 MONTH: JAN YEARS: 00-02

WINDSPEED IN KNOTS

14-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	TOTAL	MEAN	STDEV
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	16.0	9.7	4.1

10.0 6.0 6.0

10.0 6.0 6.0

5.0 3.0 3.0

10.0 6.0 6.0

5.0 3.0 3.0

40.0 11.1 12.0

//////////////////// 5.0 //////////////////  
 100.0 7.1 9.1

OBSERVATIONS 20

[illegible]

STATION NAME: DORRINE A. GRIFFIN  
LIST TO: JIC: 40

1000-1199 (1000-1199)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(1) 250-299	1.1	1.1	.6	.4	.4				
300-349	.6	.7							
350-399	.4	.7							
(2) 400-499	6.5	7.3	3.2	1.1					
500-599	1.5	1.5	.6						
600-699			.6						
(3) 700-799	.7								
800-899	.7								
900-999	1.5	.6							
(4) 1000-1199	1.5	2.2	.4						
1200-1399	7.7	7.3	2.5	.7					
1400-1499	1.7	1.5	1.7	2.1					

DATE	DESCRIPTION	AMOUNT	BALANCE
1/1/20	Opening Balance		100.00
1/15/20	Payment	25.00	75.00
2/1/20	Payment	15.00	60.00
2/15/20	Payment	10.00	50.00
3/1/20	Payment	5.00	45.00
3/15/20	Payment	5.00	40.00
4/1/20	Payment	5.00	35.00
4/15/20	Payment	5.00	30.00
5/1/20	Payment	5.00	25.00
5/15/20	Payment	5.00	20.00
6/1/20	Payment	5.00	15.00
6/15/20	Payment	5.00	10.00
7/1/20	Payment	5.00	5.00
7/15/20	Payment	5.00	0.00
8/1/20	Payment	5.00	-5.00
8/15/20	Payment	5.00	-10.00
9/1/20	Payment	5.00	-15.00
9/15/20	Payment	5.00	-20.00
10/1/20	Payment	5.00	-25.00
10/15/20	Payment	5.00	-30.00
11/1/20	Payment	5.00	-35.00
11/15/20	Payment	5.00	-40.00
12/1/20	Payment	5.00	-45.00
12/15/20	Payment	5.00	-50.00
1/1/21	Payment	5.00	-55.00
1/15/21	Payment	5.00	-60.00
2/1/21	Payment	5.00	-65.00
2/15/21	Payment	5.00	-70.00
3/1/21	Payment	5.00	-75.00
3/15/21	Payment	5.00	-80.00
4/1/21	Payment	5.00	-85.00
4/15/21	Payment	5.00	-90.00
5/1/21	Payment	5.00	-95.00
5/15/21	Payment	5.00	-100.00
6/1/21	Payment	5.00	-105.00
6/15/21	Payment	5.00	-110.00
7/1/21	Payment	5.00	-115.00
7/15/21	Payment	5.00	-120.00
8/1/21	Payment	5.00	-125.00
8/15/21	Payment	5.00	-130.00
9/1/21	Payment	5.00	-135.00
9/15/21	Payment	5.00	-140.00
10/1/21	Payment	5.00	-145.00
10/15/21	Payment	5.00	-150.00
11/1/21	Payment	5.00	-155.00
11/15/21	Payment	5.00	-160.00
12/1/21	Payment	5.00	-165.00
12/15/21	Payment	5.00	-170.00
1/1/22	Payment	5.00	-175.00
1/15/22	Payment	5.00	-180.00
2/1/22	Payment	5.00	-185.00
2/15/22	Payment	5.00	-190.00
3/1/22	Payment	5.00	-195.00
3/15/22	Payment	5.00	-200.00
4/1/22	Payment	5.00	-205.00
4/15/22	Payment	5.00	-210.00
5/1/22	Payment	5.00	-215.00
5/15/22	Payment	5.00	-220.00
6/1/22	Payment	5.00	-225.00
6/15/22	Payment	5.00	-230.00
7/1/22	Payment	5.00	-235.00
7/15/22	Payment	5.00	-240.00
8/1/22	Payment	5.00	-245.00
8/15/22	Payment	5.00	-250.00
9/1/22	Payment	5.00	-255.00
9/15/22	Payment	5.00	-260.00
10/1/22	Payment	5.00	-265.00
10/15/22	Payment	5.00	-270.00
11/1/22	Payment	5.00	-275.00
11/15/22	Payment	5.00	-280.00
12/1/22	Payment	5.00	-285.00
12/15/22	Payment	5.00	-290.00
1/1/23	Payment	5.00	-295.00
1/15/23	Payment	5.00	-300.00
2/1/23	Payment	5.00	-305.00
2/15/23	Payment	5.00	-310.00
3/1/23	Payment	5.00	-315.00
3/15/23	Payment	5.00	-320.00
4/1/23	Payment	5.00	-325.00
4/15/23	Payment	5.00	-330.00
5/1/23	Payment	5.00	-335.00
5/15/23	Payment	5.00	-340.00
6/1/23	Payment	5.00	-345.00
6/15/23	Payment	5.00	-3

TOTALS	25.2	25.2	10.3	7.	0.7
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TOTAL NUMBER OF STUDENTS 15,000,000 175

7. M. ACCURACY OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM JULY OBSERVATIONS

DATE OF RECORD: JAN 74 - MAY 74  
 INSTR: JMW      BUOY: 25-26

.....					
WIND IN KNOTS					
0-9	10-19	20-29	30-39	40-49	50-59
.....					
				FINAL	MEAN
					WIND
					DIR
.....					
				6.3	7.0
				1.1	5.7
				1.1	5.3
				10.1	5.7
				3.1	5.7
				.9	11.0
				.7	1.0
				.7	2.3
				2.0	3.0
				.1	5.3
				1.2	5.3
				15.7	5.7

.....

//////////////////////////////////// 5.9 //////////////////////////////////

1.1      5.      7.0

WIND IN KNOTS      274

.....

BREATHING LOCATION "A"  
 0345120, 450 VIB 100

DATE: 1967-08-10 TIME: 11:00  
 LOCATION: 100 VIB 100

STATION NUMBER: 722070

STATION NAME: 100 VIB 100  
 EST TO HIC: + 5

.....  
 AIR PRESS IN CMHS  
 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
 (100-115)

(1) 000-01	.7	1.7	.7	.3				
000-040	.7	.1						
000-070	1.0	.5	.5					
(1) 000-100	1.4	5.4	2.4	.8				
110-120	2.0	2.3	.7	.2				
140-150	.3	.3	.1	.1				
(1) 170-180	.3		.1					
200-220	1.4	.1						
230-250	1.7	.1						
(1) 260-280	1.7	2.7	.7	.7				
290-310	1.7	7.6	5.7	1.7	.1			
320-340	.7	1.4	7.7	1.4	.3			

.....  
 WAVELENGTH

WAVELENGTH //////////////////////////////////////

TOTALS 24.4 21.1 17.4 4.2 .4

TOTAL NUMBER OF OBSERVATIONS 100

.....



# NO. OF OCCURRENCE SPECTRA (WIND DIRECTION) VERSUS WIND SPEED (WIND ONLY) - SUMMARY

STATION: 04      PERIOD OF RECORD: JUL 71 - MAY 72  
 MONTH: JAN      HOURS: 06-08

WIND SPEED IN KNOTS						TOTAL	MEAN WIND	MEDIAN WIND
20-29	30-39	40-49	50-59	60-69	70-79			
2.7	3.8	4.0						
1.3	2.6	2.0						
2.3	6.7	2.0						
11.9	7.0	5.0						
5.4	5.3	7.0						
1.1	6.1	5.0						
1.0	4.0	2.0						
1.0	2.0	2.0						
1.6	2.7	2.0						
1.0	4.0	3.0						
20.1	7.4	7.0						
25.7	6.0	4.0						

//////////////////// 23.1 //////////////////  
 100.0      4.0      5.0

END SUMMARY      045

OPERATING LOCATION: "A"  
MCASBTAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE: SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722070

STATION NAME: JOHNS AFB, GA  
LST TO UTC: + 5

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(N) 350-010	1.2	1.2	1.0	.3		.1				
020-040	1.2	.1	.1							
050-070	1.7	1.0								
(E) 080-100	4.0	4.4	4.0	.0						
110-130	2.9	4.2	2.5	.2						
140-160	1.0	1.0	.1	.2						
(S) 170-190	.6	.2		.1						
200-220	1.7	.3								
230-250	1.0	.6	.1							
(W) 260-280	4.3	2.9	.	.2	.2					
290-310	4.0	3.0	7.1	3.0						
320-340	2.4	3.4	0.2	2.4	.7					
VARIABLE										
CALM	////////////////////									
TOTALS	26.9	31.1	24.7	0.1	.7	.1				

TOTAL NUMBER OF OBSERVATIONS 225

NOY - OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM DAILY OBSERVATIONS

STATION: PERIOD OF RECORD: JUN 75 - MAY 86  
MONTH: JAN HOURS: 09-11

DIRECTION IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
0-17	18-34	35-50	51-67	68-84	85-99			
0.1						4.0	8.2	6.0
						1.5	4.0	4.0
						3.5	4.7	5.0
						12.9	7.5	8.0
						9.6	7.0	7.0
						2.4	6.2	5.0
						1.9	5.6	3.5
						2.0	2.2	2.0
						2.3	2.7	3.0
						3.5	5.7	4.0
						21.2	8.5	9.5
						26.0	9.4	10.0

0.5	100.0	5.7	7.0
-----	-------	-----	-----

OBSERVATIONS 325

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM FIELD OBSERVATION

STATION NAME: DOWNS AFB GA  
LST TO UTC: + 5

PRECIPITATION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(A) 350-010	2.2	1.6	1.2	.3	.2				
020-040	1.0	.1	.1						
050-070	1.5	1.7	.6						
(B) 080-100	2.4	4.2	2.4	.2	.1				
110-130	2.6	4.4	2.6	.3					
140-160	1.3	2.4	.7	.1					
(C) 170-190	1.5	1.9	.3						
200-220	2.4	1.3							
230-250	1.7	.3	.2						
(D) 260-280	2.6	3.4	2.4	.6	.2				
290-310	2.4	7.5	7.4	2.9	1.1				
320-340	3.1	6.1	3.2	3.1	.3				

CAL 14

TOTALS

TOTAL NUMBER OF OBSERVATIONS 173

# INCIDENCE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 8A PERIOD OF RECORD: JUN 78 - MAY 81  
MONTH: JAN HOURS: 12-14

WIND IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
25-29	30-34	35-39	40-44	45-49	50-54			
						5.5	7.4	7.0
						1.2	3.3	2.0
						3.5	5.4	5.0
						9.3	7.5	7.0
						9.4	7.4	7.0
						5.1	6.3	6.0
						3.6	4.8	5.0
						3.4	3.9	4.0
						2.7	3.0	4.0
						7.9	7.5	7.0
						21.3	10.1	10.0
						21.2	10.0	10.0
////////////////////						4.5	////////	
						100.0	7.7	6.0

HOURLY OBSERVATIONS 423

OPERATING LOCATION NAME  
USAFBRIAC, ASHCVILLE, NC

PERCENTAGE FREQUENCY OF 1000-FEET SURFACE WIND  
FROM 4 DIRS - 45, 135, 225, 315

STATION NUMBER: 722070

STATION NAME: DUBINS AFB, GA  
LST TO UTC: + 5

DATE  
TIME

		WIND SPEED IN KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
.....		.....									
(N) 350-010		.2	1.4	1.2	.3						
020-040		.7									
050-070		1.5	.3	.3							
(E) 040-100		2.9	3.5	2.2	.5						
110-130		2.5	4.4	1.5	.2						
140-160		1.9	2.4	.7							
(S) 170-190		2.2	1.7	.3							
200-220		1.5	.5	.2							
230-250		1.3	1.5	.9							
(W) 260-280		1.5	2.1	1.7	.5	.1					
290-310		3.4	2.5	5.2	2.6	.9					
320-340		2.2	7.7	2.5	2.4	.3					
.....		.....									
VARIABLE											
CALM		////////////////////////////////////									
TOTALS		23.2	36.4	25.1	6.5	1.0					
		TOTAL NUMBER OF OBSERVATIONS 545									
		.....									

PERIOD OF RECORD: JUN 74 - MAY 85  
MONTH: JAN HOURS: 16-17

25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL 3	MEAN 4100	MEDIAN 4100
						3.9	6.2	7.0
						.7	2.2	2.0
						2.6	4.0	4.0
						3.1	7.1	6.5
						3.1	7.2	7.0
						5.1	5.7	5.0
						4.1	4.9	4.0
						2.6	4.5	4.0
						4.3	5.5	5.0
						5.3	6.0	6.5
						23.0	9.3	9.0
						21.4	9.4	10.0

[illegible]

10 JAN 1945 1945

OPERATING LOCATION "A"  
USAFPTAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACED  
F-105 - ONLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBINS AFB GA  
LST TO UTC: + 5

		WIND SPEED IN KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
.....		.....									
(N) 350-010		.3	1.2	.9							
020-040		.6	.2								
050-070		1.2	.7	.1							
(E) 080-100		1.3	3.1	2.0	.4	.1					
110-130		3.1	4.1	2.0	.1						
140-160		1.4	1.2	.1							
(S) 170-190		1.1	.5								
200-220		1.5	.5								
230-250		2.4	.3	.1							
(W) 260-280		5.3	1.2	.2	.2						
290-310		5.7	9.5	6.2	1.6	.1					
320-340		1.0	1.6	5.7	1.4						
.....		.....									
VARIABLE											
CALM		////////////////////////////////////									
TOTALS		27.2	31.1	17.3	3.6	.2					
		TOTAL NUMBER OF OBSERVATIONS 84									
		.....									



PERIOD OF RECORD: JUN 74 - MAY 90  
MONTH: JAN HOURS: 14-20

25-29	30-34	35-39	40-49	50-54	65-69	TOTAL %	MEAN WIND	MEDIAN WIND
.....	.....	.....	.....	.....	.....	2.5	2.0	3.0
.....	.....	.....	.....	.....	.....	.8	3.6	3.0
.....	.....	.....	.....	.....	.....	2.0	3.5	3.5
.....	.....	.....	.....	.....	.....	1.3	2.2	2.0
.....	.....	.....	.....	.....	.....	2.3	6.5	6.0
.....	.....	.....	.....	.....	.....	2.7	4.5	4.5
.....	.....	.....	.....	.....	.....	1.6	3.5	3.0
.....	.....	.....	.....	.....	.....	1.9	3.7	3.0
.....	.....	.....	.....	.....	.....	2.5	2.7	2.0
.....	.....	.....	.....	.....	.....	7.0	4.1	3.0
.....	.....	.....	.....	.....	.....	23.2	7.4	7.0
.....	.....	.....	.....	.....	.....	17.4	8.7	8.0

////////////////////////////////////	20.6	////////////////////////////////////
	100.0	5.5      6.0

5. REFERENCES 4

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM MAJORITY OBSERVATIONS

STATION NUM BR: 722270

STATION NAME: OBSVINS A-4 GA  
LST TO UTC: + 5

PG: 01  
UNIT: %

		WIND SPEED IN KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
(N) 350-010		.5	1.2	1.0	.6	.1					
020-040		.3	.1								
050-070		1.5	.5								
(E) 080-100		2.7	4.4	3.1	.7						
110-130		3.1	3.1	1.9	.7						
140-160		1.5	.9	.2							
(S) 170-190		.3	.5								
200-220		.9	.1								
230-250		1.9	.2								
(W) 260-280		5.7	1.5	.7	.1						
290-310		7.7	7.5	4.4	1.5						
320-340		1.2	3.5	7.5	2.2	.3					
.....											
VARIABLE											
CALM //////////////////////////////////////											
TOTALS		29.1	25.8	18.4	4.8	.4					

TOTAL NUMBER OF OBSERVATIONS = 1

# ANALYSIS OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 34 PERIOD OF RECORD: JUN 75 - MAY 86  
MONTH: JAN HOURS: 21-23

SPEED IN KNOTS						TOTAL F	MEAN WIND	MEDIAN WIND
0-24	25-29	30-34	35-39	40-49	50-64			
1						3.4	9.8	2.5
						.5	2.5	2.5
						1.9	3.4	4.0
						11.5	6.2	7.0
						2.3	7.0	6.0
						2.5	4.4	4.0
						1.2	3.3	3.0
						1.0	2.7	2.0
						1.2	2.9	2.5
						3.6	3.6	3.0
						21.2	7.1	6.0
						17.0	10.2	10.0
////////////////////						21.5	////////	
						100.0	5.5	0.0
OBSERVATIONS						N 1		

OPERATING LOCATION "A"  
 USAFRTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOWNS AFB GA  
 LST TO UTC: + 5

DIRECTION (DEGREES)	WIND SPEED IN KNOTS					
	1-4	5-9	10-14	15-19	20-24	25-29
(N) 350-010	1.0	1.3	1.0	.3	.1	.0
020-040	.7	.1	.0			
050-070	1.4	1.0	.2			
(E) 080-100	3.3	4.1	2.5	.4	.0	
110-130	2.6	3.6	1.5	.2		
140-160	1.3	1.3	.2	.1		
(S) 170-190	1.1	.2	.1	.0		
200-220	1.5	.4	.2			
230-250	1.5	.6	.2			
(W) 260-280	4.2	2.5	.2	.3	.1	
290-310	5.2	4.2	5.2	1.0	.2	
320-340	2.2	7.3	5.1	2.1	.3	
VARIABLE						
CALM	////////////////////					
TOTALS	26.4	31.0	21.4	8.3	.3	

TOTAL NUMBER OF OBSERVATIONS 5525

NOY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 (WIND DIRECTION IS VARYING)

PERIOD: JUL 74 - MAY 75  
 MONTH: JAN DATES: ALL

WIND SPEED IN KNOTS					
1-10	11-20	21-30	31-40	41-50	51-60
1-10	11-20	21-30	31-40	41-50	51-60
1-10	11-20	21-30	31-40	41-50	51-60
3.7	2.3	3.0			
4.4	3.5	4.0			
5.1	4.7	4.0			
10.5	7.3	7.0			
4.4	3.0	3.0			
5.0	5.7	6.0			
1.0	4.5	4.0			
1.1	3.5	3.0			
3.1	4.0	3.0			
7.3	7.0	4.0			
1.0	3.0	3.0			
10.1	9.0	1.0			
//////////////////// 14.0 //////////////////					
1.0	5.0	7.0			

WIND DIRECTION: 000

THE SECRETARY OF DEFENSE

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TO: DIRECTOR, FBI  
FROM: SAC, NEW YORK (100-87690)  
SUBJECT: JACOBSON; ALLEGEDLY  
RE: NEW YORK TELETYPE TO BUREAU, MAY 17, 1961

PAGE TWO

1. 10' OF TUFF & MUD (4-50 FEET) WITH CHALKING AT 200 FEET.

$$x = 1, \quad y = 1, \quad z = 1, \quad u = 1, \quad v = 1, \quad w = 1, \quad \text{TOTAL MEAN INITIAL}$$

	2007	2008	2009
3.1	5.3	5.3	
1.2	4.1	4.0	
7.1	5.2	5.0	
25.0	3.1	3.3	
14.5	7.3	5.0	
3.1	5.5	4.0	
1.3	4.1	4.5	
1.5	4.5	4.0	
2.2	3.5	3.3	
5.7	5.0	4.0	
14.1	3.7	5.0	
4.7	3.5	3.5	

	100.0	5.7	7.5
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— — — — —

OPERATING LOCATION NAME  
USAF TAC, APO FVILL- NC

PERCENTAGE FREQUENCY OF OCCURRENCE STARTED  
02-01-19-14-18-24-28-34-38-44-48-54-58-64-68-74-78-84-88-94-98-100

STATION NUMBER: 722270

STATION NAME: BARRING AFB GA

EST TO UTC: + 5

		WIND SPEED 11 KNOTS									
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(DEGREES)											
(1)	350-010	11.1									
	020-040										
	050-070										
(1)	080-100	11.1									
	110-130										
	140-160										
(2)	170-190										
	200-220										
	230-250	11.1									
(4)	260-280	11.1									
	290-310										
	320-340			22.2	22.2						
.....											
VARIABLE											
CALC		////////////////////////////////////									
TOTALS		44.4		22.2	22.2						
.....											
TOTAL NUMBER OF OBSERVATIONS										9	
.....											



100% OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 (APPLY CLASSIFICATION)

100% OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 MONTH: FEB 1975 HOURS: 00-02

0-10	10-20	20-30	30-40	40-50	50-60	TOTAL	MEAN	MEDIAN
11.1	3.0	3.0				11.1	3.0	3.0

11.1 3.0 3.0

11.1 3.0 3.0

11.1 3.0 3.0

44.4 15.0 15.0

.....

////////////////////////////////// 11.1 //////////////////////////////////  
 100.0 7.7 7.5

100% OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 MONTH: FEB 1975 HOURS: 00-02

.....

OPERATING LOCATION NAME  
JSAVETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WIND  
FROM EACHLY OBSERVATION

STATION NUMBER: 722270

STATION NAME: JOBBING AREA GA  
LST TO UTC: + 5

WIND  
DIRECTION

		WIND SPEED IN KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
(A) 350-010		.3	.4		.3						
020-040		.3									
050-070		1.7	1.1								
(B) 080-100		4.2	5.0	2.7							
110-130		2.7	1.5	1.1	.4	.4					
140-160		1.3	.4	.4							
(C) 170-190		1.5	.4								
200-220		.3	.3								
230-250		3.1	.4								
(D) 260-280		3.1	1.5	1.1							
290-310		4.1	2.2	3.1	1.5						
320-340		4.2	5.7	5.9	.4						
CALM		////////////////////									
TOTALS		30.7	22.2	15.3	3.1	.4					
		TOTAL NUMBER OF OBSERVATIONS 261									

# NOY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM SURVEY OBSERVATIONS

AREA: 3A                      PERIOD OF RECORD: JUN 72 - MAY 73  
 MONTH: FEB                HOURS: 03-05

WINDS 14 KNOTS

20-29	30-39	40-49	50-59	60-69	TOTAL	MEAN WIND	MEDIAN WIND
					1.9	3.6	5.0
					.8	3.0	3.0
					2.7	3.7	3.0
					11.9	6.1	6.0
					6.1	7.6	7.0
					3.1	4.5	3.0
					1.9	3.4	2.0
					1.6	6.6	6.0
					3.3	3.3	2.5
					6.7	5.4	4.0
					17.9	7.0	6.5
					17.2	6.2	6.0

//////////////////////////////////// 23.4 //////////////////////////////////

100.0      5.0      5.0

5      2011745      251

OPERATING LOCATION: WAW  
USAFETAC, ASH VILLE, NC

PERCENTAGE FREQUENCY OF 100-HOURLY SURFACEL 1  
FROM 100-HOURLY SURFACEL 1

STATION NUMBER: 702270

STATION NAME: BOBAINS AFB, GA

LST TO UTC: + 5

2 1

4 11 11

WIND SPEED IN KNOTS									
DIRECTION (015-115)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(1) 350-010	1.3	.7	.6	.1					
020-040	1.2		.1	.1					
050-070	2.1	.7							
(2) 080-100	5.4	7.7	2.2	.5	.1				
110-130	2.2	1.6	.2	.1					
140-160	1.1	.7	.4						
(3) 170-190	.7	.2							
200-220	1.3	.2							
230-250	2.2	.4	.1						
(4) 260-280	4.5	2.5	.8	.1					
290-310	5.1	7.4	3.5	.5	.4				
320-340	5.1	3.2	7.2	.2	.4				
VARIABLE									
CALM	////////////////////								
TOTALS	20.5	27.1	17.0	2.3	.4				
TOTAL NUMBER OF OBSERVATIONS 640									

FORM OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 MONTHLY OBSERVATIONS

10-12 PERIOD OF RECORD: JUN 78 - MAY 84  
 MONTH: FEB HOURS: 06-08

.....								
SPEED IN KNOTS								
25-29	30-34	35-39	40-49	50-54	55-59	TOTAL	MEAN	MEDIAN
.....								
						2.9	5.8	5.0
						1.4	4.3	2.0
						2.3	3.5	3.0
						16.7	6.7	5.0
						4.9	5.0	5.0
						2.4	5.3	5.5
						.9	3.0	2.5
						2.7	3.7	3.0
						2.5	3.3	3.0
						7.7	4.5	4.0
						17.5	7.2	8.0
						15.3	9.2	10.0
.....								
////////////////////						22.1	////////	
						100.0	5.2	5.0

OBSERVATIONS 140

.....

OPERATING LOCATION NAME  
USAF TAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SUBTRACTED  
FROM US ONLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DESSINS AFB GA  
LST TO UTC: + 5

0-1  
0-1

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(1) 350-010	1.2	1.4	1.0						
020-040	.3	.1	.4						
050-070	1.4	.7	.2						
(2) 080-100	5.7	5.6	5.2	.5	.2				
110-130	3.4	3.5	1.4	.1					
140-160	.3	1.4	.4	.2					
(3) 170-190	1.4	1.1							
200-220	1.5	1.2	.4						
230-250	1.4	1.1	.2						
(4) 260-280	2.4	1.5	1.4	.1					
290-310	2.5	4.5	5.9	2.0					
320-340	1.4	4.5	2.4	2.1	.1				
VARIABLE									
CALM	////////////////////								
TOTALS	24.4	33.4	25.7	5.1	.3				

TOTAL NUMBER OF OBSERVATIONS 649

# INDEX OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM TIDAL OBSERVATIONS

PERIOD OF RECORD: JUN 75 - MAY 76  
 MONTH: FEB HOURS: 00-11

SPEED IN KNOTS						TOTAL	MEAN	MEDIAN
25-29	30-34	35-39	40-44	45-49	50-54	%	WIND	WIND
						4.2	7.6	8.0
						1.3	5.6	3.0
						2.7	4.0	4.0
						20.1	7.4	7.0
						8.7	6.2	6.0
						3.4	7.7	7.0
						2.5	4.2	4.0
						4.2	5.2	5.5
						2.7	4.5	4.0
						7.2	5.3	5.0
						15.3	9.0	9.0
						15.9	10.4	10.0
						10.4		
						100.0	5.0	7.0

OBSERVATIONS 540

OPERATING LOCATION NAME  
USAF TAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DREHNS AFB GA  
LST TO UTC: + 5

DATE: 11-1-71  
MONTH: 11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(N) 350-010	.5	1.2	1.2	.8						
020-040	.3	.2								
050-070	1.2	.5	.2							
(E) 080-100	2.2	7.3	4.0	.1						
110-130	2.3	6.0	2.0	.1	.1					
140-160	2.0	2.0	1.2	.2						
(S) 170-190	1.2	2.1	.2	.1						
200-220	1.3	2.0	.							
230-250	2.0	3.2	.2							
(W) 260-280	1.5	3.6	2.7	.8						
290-310	2.2	5.1	5.2	1.6	.4					
320-340	1.4	4.4	1.0	2.1						
.....										
VARIABLE										
CALM //////////////////////////////////////										
TOTALS	21.7	32.3	23.0	5.2	.2					
TOTAL NUMBER OF OBSERVATIONS										640
.....										



1  
2  
3

4

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2000-2001, 2001-2002, 2002-2003, 2003-2004, 2004-2005, 2005-2006, 2006-2007, 2007-2008, 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013, 2013-2014, 2014-2015, 2015-2016, 2016-2017, 2017-2018, 2018-2019, 2019-2020, 2020-2021, 2021-2022, 2022-2023, 2023-2024, 2024-2025, 2025-2026, 2026-2027, 2027-2028, 2028-2029, 2029-2030, 2030-2031, 2031-2032, 2032-2033, 2033-2034, 2034-2035, 2035-2036, 2036-2037, 2037-2038, 2038-2039, 2039-2040, 2040-2041, 2041-2042, 2042-2043, 2043-2044, 2044-2045, 2045-2046, 2046-2047, 2047-2048, 2048-2049, 2049-2050, 2050-2051, 2051-2052, 2052-2053, 2053-2054, 2054-2055, 2055-2056, 2056-2057, 2057-2058, 2058-2059, 2059-2060, 2060-2061, 2061-2062, 2062-2063, 2063-2064, 2064-2065, 2065-2066, 2066-2067, 2067-2068, 2068-2069, 2069-2070, 2070-2071, 2071-2072, 2072-2073, 2073-2074, 2074-2075, 2075-2076, 2076-2077, 2077-2078, 2078-2079, 2079-2080, 2080-2081, 2081-2082, 2082-2083, 2083-2084, 2084-2085, 2085-2086, 2086-2087, 2087-2088, 2088-2089, 2089-2090, 2090-2091, 2091-2092, 2092-2093, 2093-2094, 2094-2095, 2095-2096, 2096-2097, 2097-2098, 2098-2099, 2099-2100, 2100-2101, 2101-2102, 2102-2103, 2103-2104, 2104-2105, 2105-2106, 2106-2107, 2107-2108, 2108-2109, 2109-2110, 2110-2111, 2111-2112, 2112-2113, 2113-2114, 2114-2115, 2115-2116, 2116-2117, 2117-2118, 2118-2119, 2119-2120, 2120-2121, 2121-2122, 2122-2123, 2123-2124, 2124-2125, 2125-2126, 2126-2127, 2127-2128, 2128-2129, 2129-2130, 2130-2131, 2131-2132, 2132-2133, 2133-2134, 2134-2135, 2135-2136, 2136-2137, 2137-2138, 2138-2139, 2139-2140, 2140-2141, 2141-2142, 2142-2143, 2143-2144, 2144-2145, 2145-2146, 2146-2147, 2147-2148, 2148-2149, 2149-2150, 2150-2151, 2151-2152, 2152-2153, 2153-2154, 2154-2155, 2155-2156, 2156-2157, 2157-2158, 2158-2159, 2159-2160, 2160-2161, 2161-2162, 2162-2163, 2163-2164, 2164-2165, 2165-2166, 2166-2167, 2167-2168, 2168-2169, 2169-2170, 2170-2171, 2171-2172, 2172-2173, 2173-2174, 2174-2175, 2175-2176, 2176-2177, 2177-2178, 2178-2179, 2179-2180, 2180-2181, 2181-2182, 2182-2183, 2183-2184, 2184-2185, 2185-2186, 2186-2187, 2187-2188, 2188-2189, 2189-2190, 2190-2191, 2191-2192, 2192-2193, 2193-2194, 2194-2195, 2195-2196, 2196-2197, 2197-2198, 2198-2199, 2199-2200, 2200-2201, 2201-2202, 2202-2203, 2203-2204, 2204-2205, 2205-2206, 2206-2207, 2207-2208, 2208-2209, 2209-2210, 2210-2211, 2211-2212, 2212-2213, 2213-2214, 2214-2215, 2215-2216, 2216-2217, 2217-2218, 2218-2219, 2219-2220, 2220-2221, 2221-2222, 2222-2223, 2223-2224, 2224-2225, 2225-2226, 2226-2227, 2227-2228, 2228-2229, 2229-2230, 2230-2231, 2231-2232, 2232-2233, 2233-2234, 2234-2235, 2235-2236, 2236-2237, 2237-2238, 2238-2239, 2239-2240, 2240-2241, 2241-2242, 2242-2243, 2243-2244, 2244-2245, 2245-2246, 2246-2247, 2247-2248, 2248-2249, 2249-2250, 2250-2251, 2251-2252, 2252-2253, 2253-2254, 2254-2255, 2255-2256, 2256-2257, 2257-2258, 2258-2259, 2259-2260, 2260-2261, 2261-2262, 2262-2263, 2263-2264, 2264-2265, 2265-2266, 2266-2267, 2267-2268, 2268-2269, 2269-2270, 2270-2271, 2271-2272, 2272-2273, 2273-2274, 2274-2275, 2275-2276, 2276-2277, 2277-2278, 2278-2279, 2279-2280, 2280-2281, 2281-2282, 2282-2283, 2283-2284, 2284-2285, 2285-2286, 2286-2287, 2287-2288, 2288-2289, 2289-2290, 2290-2291, 2291-2292, 2292-2293, 2293-2294, 2294-2295, 2295-2296, 2296-2297, 2297-2298, 2298-2299, 2299-2300, 2300-2301, 2301-2302, 2302-2303, 2303-2304, 2304-2305, 2305-2306, 2306-2307, 2307-2308, 2308-2309, 2309-2310, 2310-2311, 2311-2312, 2312-2313, 2313-2314, 2314-2315, 2315-2316, 2316-2317, 2317-2318, 2318-2319, 2319-2320, 2320-2321, 2321-2322, 2322-2323, 2323-2324, 2324-2325, 2325-2326, 2326-2327, 2327-2328, 2328-2329, 2329-2330, 2330-2331, 2331-2332, 2332-2333, 2333-2334, 2334-2335, 2335-2336, 2336-2337, 2337-2338, 2338-2339, 2339-2340, 2340-2341, 2341-2342, 2342-2343, 2343-2344, 2344-2345, 2345-2346, 2346-2347, 2347-2348, 2348-2349, 2349-2350, 2350-2351, 2351-2352, 2352-2353, 2353-2354, 2354-2355, 2355-2356, 2356-2357, 2357-2358, 2358-2359, 2359-2360, 2360-2361, 2361-2362, 2362-2363, 2363-2364, 2364-2365, 2365-2366, 2366-2367, 2367-2368, 2368-2369, 2369-2370, 2370-2371, 2371-2372, 23

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139. 7.7 1.5

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OPERATING LOCATION "A"  
USAFSTAC, ASHTVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
WIND DURING OBSERVATION

STATION NUMBER: 722270 STATION NAME: JOE INS AFB GA  
LST TO UTC: + 5

DIRECTION (DEGREES)	WIND SPEEDS IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(4) 350-010	.7	.9	1.4	.1	.1					
020-040	.9	.5	.1							
050-070	2.1	1.1	.4							
(5) 080-100	3.1	5.7	3.1	.7	.2					
110-130	3.4	3.5	1.5							
140-160	2.9	3.2	.9							
(6) 170-190	2.5	2.0	.2							
200-220	1.1	1.5	.5							
230-250	1.7	1.5	1.3	.1						
(4) 260-280	2.2	2.9	2.4	.5						
290-310	1.9	7.5	7.4	2.2	.5					
320-340	1.5	7.1	9.1	1.2	.1					

VARIABLE

CAL

TOTAL

24.2 37.0 23.7 4.5 .2

TOTAL NUMBER OF OBSERVATIONS 149

00014: 15-17      00015: 15-17  
 00016: 15-17      00017: 15-17

1957-58	59-60	60-61	61-62	62-63	63-64	64-65	TOTAL	MEAN	STANDARD
							(%)	(%)	(%)
							3.3	4.7	9.5
							1.5	4.1	4.0
							3.0	4.3	4.0
							12.7	7.6	7.0
							3.6	4.3	5.0
							7.1	5.0	5.0
							4.7	4.7	4.0
							3.3	3.1	3.0
							4.7	3.3	7.0
							1.1	7.0	7.0
							10.4	9.3	10.0
							15.7	7.3	12.0

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//////////////////////////////////// 3.9 ///////////////////////////////////
                                100.0      7.5      5.0

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DATE \_\_\_\_\_

REPORTING LOCATION NAME  
 DEATHING, AKA VILLAGE

PERCENTAGE FREQUENCY OF OCCUPANCY BY DATE  
 1-1-1970 TO 1-1-1971

STATION NUMBER: 722270

STATION NAME: DOWNSIDE AKA  
 EST TO HIC: + 6

OBSERVATION (000000-5)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(1) 350-010	.7	2.0	.1	.2						
020-040	.7	.6	.1		.1					
050-070	2.0	.1	.1							
(2) 100-110	3.2	4.3	2.0	.5	.1					
110-130	3.3	3.2	1.1							
140-160	3.0	2.5								
(3) 170-190	1.2	.5								
200-220	1.3	.5	.1							
230-250	2.0	.5	.1							
(4) 260-280	3.1	3.3	1.1	.7						
290-310	3.3	1.2	.5	.5	.4					
320-340	2.3	5.4	5.5	1.1						

ADDITIONAL

TOTAL

TOTALS

31.2 39.2 15.2 3.4 .5

TOTAL NUMBER OF OBSERVATIONS 849

# ANALYSIS OF ACCIDENTS - SUICIDE - WIND DIRECTION VERSUS WIND SPEED - ALL AIRCRAFT - ALL AIRLINES

PERIOD: JANUARY - DECEMBER: JUL 73 - MAY 74  
 MONTH: FEB - APRILS: 19-20

WIND SPEED IN KNOTS									
0-10	11-20	21-30	31-40	41-50	51-60	61-70	TOTAL	MEAN	STANDARD
								WIND	DEVIATION
							3.4	7.3	7.0
1							1.4	5.5	4.5
							3.3	5.7	3.0
2							11.2	7.5	7.0
							3.7	5.7	5.0
							5.5	4.5	4.0
							2.7	3.3	4.0
							1.3	5.0	3.5
							3.2	3.1	2.0
							3.1	3.5	5.0
3							12.2	7.5	7.0
							12.1	3.3	1.0
							13.3	13.3	13.3
							102.0	5.5	5.0

PAGE 105 - 49

OPERATING LOCATION: "A"  
 HASTART, ASHLVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
 FROM 413KLY 413 KVAI100

STATION NUMBER: 722070

STATION NAME: COCKING AREA  
 LST TO UTC: + 5

		WIND SPEED IN KNOTS							
DIRECTION (045-090)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(4) 350-010		.9	1.2	.8	.1	.1			
020-040		1.4	.4		.2				
050-070		1.1	.2	.1					
(E) 080-100		3.2	4.2	2.7	.4				
110-130		2.7	2.6	1.4					
140-160		1.3	1.4	.4	.1				
(S) 170-190		1.3	.4	.1					
200-220		1.3	.7	.1					
230-250		.9	.2						
(4) 260-280		3.3	2.4	.7					
290-310		5.4	7.7	2.2	1.5				
320-340		2.4	1.9	1.9	1.2	.7			
.....									
VARIABLE									
CALC //									
TOTALS		29.5	24.3	14.7	4.2	.3			
.....									
TOTAL AMOUNT OF OBSERVATIONS 10									
.....									

WIND OCCURRENCE SUMMARY, WIND DIRECTION, VERSUS WIND SPEED  
 FROM VISUAL OBSERVATION

STATION

PERIOD OF RECORD: JUN 73 - MAY 78

MONTH: FEB HOURS: 21-23

WIND IN KNOTS

21-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	TOTAL	MEAN	MEDIAN
								%	WIND	WIND
								3.2	7.5	7.0
								2.0	5.5	4.0
								2.2	4.3	4.0
								11.5	7.4	5.5
								5.7	5.0	5.0
								3.2	5.2	5.0
								1.5	4.1	4.0
								2.1	4.7	4.0
								1.2	3.1	3.0
								3.5	4.5	4.0
								17.9	6.0	5.0
								15.3	2.0	4.0
									23.5	////////
									100.0	5.2 5.0

WIND DIRECTION

OPERATING LOCATION NAME  
USAFETAC, ASHCVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
WIND DIRECTION ONLY (OBSERVATIONS)

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

DIRECTION (OBSERVATIONS)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(1) 350-010	.9	1.3	1.2	.2	.0					
020-040	1.0	.3	.1	.1	.0					
050-070	2.0	.3	.2							
(3) 080-100	4.0	5.2	3.4	.6	.1					
110-130	3.0	3.4	1.4	.1	.0					
140-160	2.0	1.0	.7	.1						
(5) 170-190	1.5	1.1	.1	.0						
200-220	1.4	1.3	.3							
230-250	1.0	1.2	.3	.0						
(4) 260-280	3.3	2.9	1.5	.3						
290-310	4.1	7.4	5.1	1.3	.2					
320-340	2.2	5.4	7.3	1.4	.1					
VARIABLE										
CALC	////////////////////////////////////									
TOTALS	27.2	33.1	21.7	4.3	.4					

TOTAL NUMBER OF OBSERVATIONS 6364



# INDEX OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 1000000 PERIOD OF RECORD: JUN 75 - MAY 80  
 MONTH: FEB HOURS: ALL

SPEED IN KNOTS							TOTAL	MEAN	MEDIAN
0-5	5-10	10-15	15-20	20-25	25-30	30-35			
0	0	0	0	0	0	0	3.6	5.2	3.0
0	0	0	0	0	0	0	1.4	5.0	4.0
0	0	0	0	0	0	0	3.0	4.2	4.0
0	0	0	0	0	0	0	14.4	7.3	7.0
0	0	0	0	0	0	0	0.0	5.3	5.0
0	0	0	0	0	0	0	4.5	5.0	5.0
0	0	0	0	0	0	0	2.7	4.5	4.0
0	0	0	0	0	0	0	3.0	5.2	5.0
0	0	0	0	0	0	0	3.5	5.0	4.0
0	0	0	0	0	0	0	7.2	6.3	6.0
0	0	0	0	0	0	0	15.3	6.2	6.0
0	0	0	0	0	0	0	15.3	9.5	10.0
////////////////////							13.4	////////////////	
0	0	0	0	0	0	0	100.0	5.3	7.0
OBSERVATIONS 5354									

OPERATING LOCATION "A"  
USAFSTAG, ASHEVILLE, NC

PER-CENTAGE FREQUENCY OF OCCURRENCE SURFACED  
FROM 4100LY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOWNS AFB GA  
LST TO UTC: + 5

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2  
AND/OR  
VISIBILITY GE 1/2 MILE (900 METERS) BUT LESS THAN 3 MILES (4

WIND SPEED IN KNOTS  
DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(DEGREES)

(N) 350-010 .5 .5 .5 .2

020-040 .9 .1

050-070 3.5 1.4 .4

(E) 080-100 4.4 12.9 10.6 2.1 .4

110-130 3.4 4.9 3.0 .3

140-160 1.2 1.0 .5 .2

(S) 170-190 1.0 .8 .2 .1

200-220 1.0 2.0 .2

230-250 1.0 1.1 .1

(W) 260-280 2.2 1.7 .2 .1

290-310 2.7 4.6 3.7 1.4 .5

320-340 .7 2.5 5.9 1.2

VARIABLE

CALM //////////////////////////////////////

TOTALS 25.7 33.5 25.2 5.6 .2

TOTAL NUMBER OF OBSERVATIONS 953

BY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 ALL HIGHLY OBSERVATIONS

PERIOD OF RECORD: JUN 78 - MAY 88  
 MONTH: FEB HOURS: ALL

TIME WITH VISIBILITY OF 1/2 MILE (800 METERS).

TIME LESS THAN 3 MILES (4800 METERS) WITH CEILING OF 200 FEET.

SPOTS IN KNOTS

25-29	30-34	35-39	40-44	45-49	50-54	55-59	TOTAL	MEAN	MEDIAN
							3	WIND	WIND
							1.9	7.2	6.6
							1.0	3.4	3.6
							5.4	4.6	4.0
							30.5	8.3	8.0
							12.0	7.1	7.0
							3.0	6.6	5.0
							3.0	4.3	4.0
							4.0	4.7	5.0
							3.1	4.0	4.0
							4.9	5.0	6.0
							13.0	6.2	6.0
							10.3	10.6	11.0
							5.0	7.2	7.0
							100.0	7.2	7.0

1988 OBSERVATIONS 961

OPERATING LOCATION "A"  
USAFSTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SUFFERED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRIS AFB GA  
LST TO UTC: + 5

		WIND SPEED IN KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
.....		.....									
(1) 350-010		.7	.7	.4							
020-040		.7		.4							
050-070		1.1	1.1								
(2) 080-100		4.7	5.4	1.4	.7						
110-130		4.3	2.2		.4						
140-160		1.4	1.4								
(3) 170-190		1.1	.4								
200-220		2.5	.7								
230-250		2.0	.4								
(4) 260-280		4.7	2.9	.4							
290-310		5.1	5.5	5.0							
320-340		1.1	5.5	4.3							
.....		.....									
VARIABLE											
CALM		////////////////////////////////////									
TOTALS		30.9	22.5	12.3	1.1						

TOTAL NUMBER OF OBSERVATIONS 279

## 1000

.....  
SPEED 14 KNOTS

	1.8	5.8	6.0
	1.1	4.7	2.0
	2.2	4.3	4.5
	12.5	6.5	6.0
	6.5	4.6	4.0
	2.9	4.9	4.5
	1.4	3.9	4.0
	3.2	3.6	4.0
	2.7	2.9	2.0
	7.9	4.5	3.5
	17.5	6.7	6.0
	12.2	4.1	5.0

[illegible]

100.0      4.3      5.0

OBSERVATIONS 273

OPERATING LOCATION: "A"  
USAFETAG, ACHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACED  
FROM JULY 1962-1963

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB, GA  
EST TO UTC: + 5

		WIND SPEED IN KNOTS							
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(N) 350-010		.9	1.0	.1					
020-040		.4	.2						
050-070		2.4	.8	.3					
(E) 080-100		5.5	4.9	2.8	.2	.1			
110-130		2.5	2.7	1.3	.1				
140-160		1.9	2.5	.2	.1				
(S) 170-190		.7	.3						
200-220		2.2	.4						
230-250		2.5	.2						
(4) 260-280		4.7	3.1	.1	.1				
290-310		5.3	7.3	3.9	.4				
320-340		2.2	5.3	4.3	.3	.1			
.....									
VARIABLE									
CALM //////////////////////////////////////									
TOTALS		22.9	29.8	12.1	1.2	.2			

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM JULY OBSERVATIONS

STATION: 3A PERIOD OF RECORD: JUL 71 - MAY 75  
 MONTH: MAR HOURS: 06-08

SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
0-25	25-30	30-35	35-40	40-45	45-50			
1.9	5.7	5.5						
	1.6	3.2	3.0					
	3.2	4.2	3.0					
	13.5	5.4	5.0					
	5.6	6.5	5.0					
	4.7	5.4	5.0					
	1.1	3.2	4.0					
	2.6	3.3	3.0					
	2.5	2.1	2.0					
	1.2	4.3	4.0					
	17.1	6.2	5.0					
	12.7	3.2	3.0					
////////////////////						24.3	////////////////	
						100.0	4.6	5.0
OBSERVATIONS 930								

OPERATING LOCATION "A"  
USAFIELD, AGUEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
WIND DIRECTION AND SPEED

STATION NUMBER: 727270

STATION NAME: DIXONS AREA  
LST TO UTC: + 5

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(N) 350-010	1.0	1.0	1.0	.4				
020-040	.4							
050-070	.5	.3		.1				
(E) 080-100	3.5	5.3	3.2	.2	.2			
110-130	4.1	4.3	3.2	.3	.2			
140-160	2.7	3.0	.2	.4				
(S) 170-190	2.4	2.2						
200-220	2.3	2.0	.3					
230-250	1.5	1.5	.1					
(W) 260-280	2.5	3.3	1.3	.4				
290-310	2.6	5.3	3.1	1.2	.4	.1		
320-340	2.5	5.5	3.5	1.1				

VARIABLE

CALC

TOTALS

25.3 32.5 19.5 4.1 .8 .1

TOTAL NUMBER OF OBSERVATIONS 280



TABLE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FOR DAILY OBSERVATIONS

PERIOD OF RECORD: JUL 75 - MAY 76  
 MONTH: MAY DATES: 09-11

WIND SPEEDS						TOTAL	MEAN	MEDIAN
05-09	10-14	15-19	20-24	25-29	30-34			
0	0	0	0	0	0	5.3	5.7	4.0
0	0	0	0	0	0	0.0	2.5	3.0
0	0	0	0	0	0	1.0	4.0	4.0
0	0	0	0	0	0	13.7	7.3	7.0
0	0	0	0	0	0	12.7	7.4	7.0
0	0	0	0	0	0	5.2	5.7	5.0
0	0	0	0	0	0	4.5	6.5	6.0
0	0	0	0	0	0	5.7	5.2	5.0
0	0	0	0	0	0	3.4	4.7	4.0
0	0	0	0	0	0	5.2	5.9	5.0
0	0	0	0	0	0	13.9	5.5	5.0
0	0	0	0	0	0	15.0	3.7	5.0

//////////////////// 0.5 //////////////////////  
 0.1 100.0 5.7 7.0

NO DATA 000

STRENGTH, STIFFNESS, AND DEFLECTION OF JOINTS OF  
CONCRETE-FILLED STEEL TUBES WITH FIBER-REINFORCED  
POLYMER SHEETS

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NAME OF DISSEMINATOR: SUPRAC, KING, MICHIGAN, W-4500, R170, SP170  
 NAME OF DISSEMINATOR: JAMES J. JAMES

DATE: 1975-05-10  
 MONTH: MAY  
 YEAR: 1975  
 HOURS: 12-14

NO. OF DISSEMINATIONS

19-77	31-39	51-53	71-73	91-93	SE 55	TOTAL	MEAN	MODIAN
						4.4	5.7	5.0
						1.0	3.1	2.5
						2.3	4.0	3.0
						5.3	7.9	6.0
						11.3	7.0	6.0
						15.0	7.8	7.0
						5.8	6.0	6.0
						5.9	7.0	7.0
						4.0	5.7	5.0
						2.9	7.6	5.5
11						17.1	7.7	13.0
						15.0	7.0	6.0

//////////////////////////////////// 4.1 //////////////////////////////////  
 11 100.0 7.4 7.0

DISSEMINATIONS 130

OPERATING LOCATION NAME  
USAFETAG, ASH-VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722070

STATION NAME: DUBLINS AFB GA  
LST TO UTC: + 5

	WIND SPEED IN KNOTS									
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 -	
(N) 350-010	1.0	1.3	1.3	.2						
020-040	.5	.3								
050-070	1.2	.4	.2							
(E) 080-100	1.3	3.0	2.2	.1	.1					
110-130	1.7	3.4	2.7	.2						
140-160	1.5	3.5	1.4	.1						
(S) 170-190	2.2	2.5	.4	.4						
200-220	2.1	3.4	1.2							
230-250	3.0	3.2	.4							
(4) 260-280	3.2	4.3	2.0	.4						
290-310	2.4	5.5	5.7	2.4	.7					
320-340	1.3	5.9	5.7	1.5	.5					

VARIABLE

CALM

////////////////////////////////////

TOTALS

23.2 39.3 25.5 5.7 1.4

TOTAL NUMBER OF OBSERVATIONS 730

NOY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

NOY: 81 PERIOD OF RECORD: JUN 74 - MAY 75  
MONTH: MAR HOURS: 15-17

PERIOD IN KNOTS

20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	TOTAL	MEAN WIND	MEDIAN WIND
								4.3	7.3	3.0
								4.9	3.6	2.5
								1.5	4.3	2.0
								6.7	3.0	3.0
								3.5	7.5	7.0
								6.2	7.2	7.0
								5.7	5.4	5.0
								7.5	5.5	5.0
								5.7	5.2	5.0
								10.9	7.0	5.0
								15.5	7.7	10.0
								17.1	7.5	10.0

//////////////////////////////////// 4.3 //////////////////////////////////  
100.0 7.5 3.0

OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFOTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFAC  
FROM HOURLY OBSERVATION

STATION NUMBER: 722270

STATION NAME: CUBINS AFB GA  
LST TO UTC: + 5

		WIND SPEED IN KNOTS									
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40	
(DEGREES)											
(N)	350-010	.0	1.0	.0	.3						
	020-040	.5									
	050-070	1.0	.5	.4							
(E)	080-100	2.2	2.7	1.7	.3						
	110-130	2.5	3.2	1.1	.3	.3					
	140-160	2.5	2.9	.5							
(S)	170-190	2.7	1.1	.2							
	200-220	1.5	1.0		.1						
	230-250	3.2	.9	.3							
(W)	260-280	4.3	1.5	.5	.1						
	290-310	5.1	7.3	5.3	.9	.2					
	320-340	4.0	9.0	4.3	.4						
.....											
VARIABLE											
CALM //////////////////////////////////////											
TOTALS		32.0	32.1	15.4	2.4	.5					

TOTAL NUMBER OF OBSERVATIONS 930

# ANALYSIS OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 34 PERIOD OF RECORD: JUN 78 - MAY 83  
MONTH: MAR HOURS: 18-20

SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
25-29	30-34	35-39	40-49	50-54	GE 65			
						3.0	7.5	6.0
						.6	3.3	4.0
						2.0	5.4	5.0
						7.5	7.0	6.0
						8.0	7.3	7.0
						5.1	5.4	5.0
						4.0	4.1	3.0
						2.7	4.1	4.0
						4.4	3.9	3.0
						5.3	4.1	4.0
						12.5	7.3	7.0
						17.7	7.3	7.0
						17.5		
						100.0	5.3	6.0

REMARKS: 930

OPERATING LOCATION: "A"  
USAFSTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

21

42

.....										
		WIND SPEED IN KNOTS								
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(DEGREES)										
.....										
(N)	350-010	1.2	1.2	.5						
	020-040	1.0	.2							
	050-070	1.5	.6	.1	.1					
(S)	080-100	5.1	3.0	1.6	.3					
	110-130	3.2	4.0	.4	.4	.2				
	140-160	1.8	1.5	.9	.1					
(S)	170-190	1.5	1.0		.1					
	200-220	2.3	.3	.1	.1					
	230-250	3.2	.1		.1					
(W)	260-280	4.5	1.3	.2						
	290-310	7.3	7.2	2.3	.3					
	320-340	2.9	4.9	4.4	.5	.1				
.....										
VARIABLE										
CALM //////////////////////////////////////										
TOTALS										
		33.9	25.3	10.5	2.6	.3				
.....										
TOTAL NUMBER OF OBSERVATIONS										930
.....										



JOY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUN 78 - MAY 83  
 MONTH: MAR HOURS: 21-23

WIND IN KNOTS

25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
						3.1	5.1	5.0
						1.2	3.1	4.0
						2.5	4.7	3.0
						8.1	5.5	5.0
						3.3	5.2	5.0
						4.0	5.4	5.0
						2.7	4.2	4.0
						2.8	4.0	3.0
						3.4	2.3	2.0
						5.7	3.3	4.0
						17.7	5.9	5.0
						12.9	5.0	5.0

//////////////////// 25.7 //////////////////  
 100.0 4.2 5.0

OBSERVATIONS 630

OPERATING LOCATION "A"  
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72270

STATION NAME: DOWNS AFB GA  
LST TO UTC: + 5

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(N) 350-010	1.1	1.4	1.0	.2				
020-040	.5	.2	.3					
050-070	1.4	.3	.2	.0				
(E) 080-100	3.1	3.3	2.2	.3	.1			
110-130	3.0	3.0	1.7	.3	.2			
140-160	2.1	3.0	1.0	.2				
(S) 170-190	1.3	1.5	.3	.1				
200-220	2.2	1.5	.4	.0				
230-250	2.5	1.4	.2	.0				
(W) 260-280	3.7	3.2	1.2	.4				
290-310	4.5	5.7	4.7	1.2	.5	.0		
320-340	2.7	5.5	5.2	.8	.2			
VARIABLE								
CALM	////////////////////							
TOTALS	22.2	33.9	19.1	3.5	.3			
TOTAL NUMBER OF OBSERVATIONS 9459								

# NOY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

1956-64 PERIOD OF RECORD: JUN 73 - MAY 74  
MONTH: MAR HOURS: ALL

SPEED IN KNOTS						TOTAL	MEAN	MEDIAN
25-29	30-34	35-39	40-49	50-64	GE 65			
						3.6	7.3	7.0
						.9	3.3	3.0
						2.3	4.5	3.5
						9.5	7.0	7.0
						9.1	6.9	6.0
						5.2	5.4	5.0
						3.2	5.2	5.0
						4.5	5.2	5.0
						4.2	4.3	4.0
						3.4	5.2	5.0
						17.5	7.4	7.0
						15.3	5.5	5.0
////////////////////						15.0	////////////////	
						100.6	5.5	5.0

1 OBSERVATIONS 5369

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE STRATOSPHERIC  
FROM 4000 FT. TO 5000 FT.

STATION NUMBER: 722270

STATION NAME: WHEELS AFB GA  
LST TO UTC: + 5

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2  
AND/OR  
VISIBILITY GE 1/2 MILE (900 METERS) BUT LESS THAN 3 MILES (4.8 KM)

WIND SPEED IN KNOTS  
DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(DEGREES)

(N) 350-010	.9	.7						
020-040	.9	.7						
050-070	3.3	2.4	1.3	.3				
(E) 080-100	5.7	11.1	5.4	.9				
110-130	4.2	7.7	3.0	1.2	.4			
140-160	3.1	5.4	.7	.4				
(S) 170-190	2.0	2.2	.3					
200-220	1.3	1.3	.1					
230-250	2.3	.7						
(W) 260-280	1.9	1.9	.7	.4				
290-310	2.5	3.1	2.7	1.3	.4			
320-340	1.5	3.1	1.1	.5	.4			

VARIABLE

CALM //////////////////////////////////////

TOTALS 30.1 40.5 15.4 5.0 1.1

TOTAL NUMBER OF OBSERVATIONS 742

# TENDENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 34 MONTH: MAR PERIOD OF RECORD: JUN 75 - MAY 83 HOURS: ALL

.....  
FEET WITH VISIBILITY OF 1/2 MILE (800 METERS).

TO FEET LESS THAN 3 MILES (4800 METERS) WITH CHILING OF 200 FEET.

.....  
SPEED IN KNOTS

14	20-29	30-34	35-39	40-49	50-54	55-59	TOTAL	MEAN	MEDIAN
							1	WIND	WIND

							1.5	4.3	4.6
--	--	--	--	--	--	--	-----	-----	-----

							1.5	4.9	4.6
--	--	--	--	--	--	--	-----	-----	-----

							7.3	6.2	6.0
--	--	--	--	--	--	--	-----	-----	-----

							23.6	7.5	7.0
--	--	--	--	--	--	--	------	-----	-----

							16.4	7.9	7.0
--	--	--	--	--	--	--	------	-----	-----

							9.7	6.3	6.0
--	--	--	--	--	--	--	-----	-----	-----

							4.4	5.0	6.0
--	--	--	--	--	--	--	-----	-----	-----

							3.8	4.3	4.0
--	--	--	--	--	--	--	-----	-----	-----

							3.2	3.5	3.0
--	--	--	--	--	--	--	-----	-----	-----

							4.7	5.3	5.5
--	--	--	--	--	--	--	-----	-----	-----

							10.1	9.2	3.0
--	--	--	--	--	--	--	------	-----	-----

							6.7	6.5	7.0
--	--	--	--	--	--	--	-----	-----	-----

.....  
//////////////////// 7.7 //////////////////

							100.0	6.5	6.0
--	--	--	--	--	--	--	-------	-----	-----

.....  
OBSERVATIONS 742

OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFALL  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA

LST TO UTC: + 5

..... WIND SPEED IN KNOTS .....

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	.5	.3	.3						
020-040	.3								
050-070	2.2	.5							
(E) 080-100	3.1	2.2	.5						
110-130	1.4	3.1	.3						
140-160	1.7	.3	.3						
(S) 170-190	.3		.3						
200-220	2.5	1.4	.3						
230-250	1.4	1.4							
(W) 260-280	11.5	4.5	.3						
290-310	10.1	7.0	1.1	.5					
320-340	.3	4.2	1.4	.5					

..... VARIABLE .....

CALM

////////////////////////////////////

TOTALS

36.4 25.0 5.2 1.2

..... TOTAL NUMBER OF OBSERVATIONS 356 .....

# NOY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED - HOURLY OBSERVATIONS

APR 64 PERIOD OF RECORD: JUL 73 - MAY 84  
 MONTH: APR HOURS: 03-05

00-10 KNOTS						TOTAL	MEAN WIND	MEDIAN WIND
00-04	05-09	10-14	15-19	20-24	25-29			
.....						1.1	5.5	4.5
						.3	1.0	1.0
						2.5	3.2	3.0
						5.9	4.5	4.0
						6.5	5.4	5.0
						2.2	4.0	3.0
						1.1	5.5	4.0
						4.5	4.2	3.0
						2.5	4.2	4.0
						15.3	3.9	4.0
						13.7	5.2	4.0
						7.2	5.2	5.0
.....								
////////////////////////////////////						32.3	////////////////////////////////	
						100.0	3.4	4.0

NOY OF OBSERVATIONS 356

.....

OPERATING LOCATION "A"  
 ISAFIAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SPREAD  
 FROM JULY 1951 TO 1952

STATION NUMBER: 722270

STATION NAME: LOUAINO AFB GA  
 EST TO HIC: + 5

.....									
4100 09500 IN CHNIS									
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
.....									
(N) 350-010	.2	1.0	.2						
020-040	.2	.1							
050-070	2.1	.9	.1						
(E) 080-100	3.2	4.2	1.1						
110-130	2.2	3.4	.2						
140-160	1.6	1.7	.2						
(S) 170-190	2.1	.2	.1						
200-220	1.4	1.1							
230-250	3.1	1.2	.1						
(W) 260-280	2.4	3.5	.3						
290-310	3.4	7.2	2.1	.2	.1				
320-340	1.3	4.3	2.2		.4				
.....									
VAR-IA-LE									
CALC	////////////////////////////////////								
TOTALS	37.	33.1	7.1	.2	.2				
.....									
TOTAL NUMBER OF OBSERVATIONS 100									
.....									



NOY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM JULY 1957 UNTIL 1963

STATION: 34                      PERIOD OF RECORD: JUN 7 - MAY 12  
 MONTH: APR                      DATES: 05-13

WIND IN KNOTS

01-04	05-08	09-12	13-16	17-20	21-24	TOTAL	WIND	WIND
							WIND	WIND
						2.2	5.0	5.0
						1.0	2.0	2.0
						2.1	4.1	4.1
						4.0	6.3	6.3
						7.1	6.4	6.2
						3.0	5.7	5.0
						3.1	4.0	3.0
						2.0	4.2	4.0
						0.	3.0	3.0
						10.0	4.0	4.0
						13.	5.4	5.0
						0.1	3.0	3.0
////////////////////////////////////						20.0	////////////////////////////////	////////////////////////////////
						100.0	5.0	5.0

WIND IN KNOTS

OPERATING LOCATION: WAM  
USAFPTAC, ACHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF HAZ  
FROM HIGHLY PROB. WINDS

STATION NUMBER: 722370

STATION NAME: D-15 LBS APT 34  
LST TO UTC: + 5

WIND SPEED 14 KNOTS

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(4) 350-010	1.1	2.7	1.2	.1					
020-040	.2	.6							
050-070	1.3	.4	.3						
(2) 080-100	4.2	4.4	2.						
110-140	2.2	5.1	1.7						
140-170	2.4	3.3	1.1	.1					
(5) 170-190	2.1	1.5	.1						
200-220	2.2	2.4	.1						
230-250	1.	1.9	.						
(4) 260-280	3.2	4.5	1.7	.1					
290-310	4.5	7.7	5.7	.9	.1				
320-340	1.2	4.1	3.2	.	.1				
VARIABLE									
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////
TOTALS	25.2	41.3	22.3	2.0	.4				

TOTAL NUMBER OF OBSERVATIONS: 200

INDEX OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 AS TO HOURLY OBSERVATIONS

PERIOD OF RECORD: JAN 71 - MAY 84  
 MONTH: APR PERIOD: 00-11

WIND DIRECTION						TOTAL	SEAS	WINDS
01-10	11-20	21-30	31-40	41-50	51-60			
						5.1	7.4	7.0
						1.4	4.3	4.0
						2.1	5.3	4.6
						12.0	6.2	6.0
						9.0	6.6	6.6
						7.0	6.0	6.0
						3.0	4.5	4.0
						5.7	5.5	5.0
						7.4	6.3	6.0
						9.6	6.3	6.0
						13.2	6.6	6.0
						14.0	6.0	6.0
////////////////////						5.2	////////////////	////////////////
						100.0	6.0	6.0

STATION: 000

OPERATING LOCATION: WAW  
USAFATAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WIND  
FROM DIRECTION 1-34

STATION NUMBER: 722270

STATION NAME: DARRING AFB GA

EST TO UTC: + 5

		WIND SPEED IN KNOTS							
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(4) 350-010		.3	1.1	.8					
020-040		.3	.3	.1					
050-070		.7	.4	.3					
(5) 080-100		2.1	3.9	1.9					
110-130		3.6	4.1	2.9					
140-160		1.9	3.9	1.8					
(5) 170-190		1.9	3.9	.8					
200-220		2.9	2.9	1.2					
230-250		2.4	2.9	1.9					
(4) 260-280		2.9	5.3	3.9	.7	.1	.1		
290-310		2.5	7.1	5.9	1.9	.4	.1		
320-340		2.4	4.4	5.9	1.7	.1			

VARIABLE

CALC

TOTALS

2.1 3.4 2.1 4.0 .9 .2

TOTAL BASED ON OBSERVATIONS 300

LOG OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM ONLY OBSERVATIONS

PERIOD OF RECORD: JUN 74 - MAY 81  
MONTH: APR HOURS: 12-14

WINDS IN KNOTS

0-29	30-34	35-39	40-49	50-54	55-59	TOTAL	MEAN WIND	MEDIAN WIND
						2.7	7.4	7.0
						1.2	4.5	3.0
						1.4	5.5	5.0
						7.2	5.5	5.0
						10.6	5.5	5.0
						7.0	5.5	5.0
						5.1	5.2	5.0
						5.1	5.5	5.0
						5.4	5.1	5.0
.1						12.4	5.1	5.0
.1						10.5	5.4	10.0
						15.1	5.5	10.0

//////////////////////////////////// 2.3 //////////////////////////////////  
 .1 105.0 7.5 .0

OBSERVATIONS 100

OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SUBJECT  
FROM 4 JULY 1957 TO 11 JULY 1957

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

		WIND SPEED 14 KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(N) 350-010		.7	1.1	.8	.2						
020-040		.4	.4								
050-070		2.1	.9	.1							
(E) 080-100		2.1	2.9	1.0							
110-130		1.7	4.0	1.8							
140-160		2.2	4.7	1.9							
(S) 170-190		2.4	3.4	.7							
200-220		1.3	3.2	.7							
230-250		2.7	2.2	.9							
(W) 260-280		2.0	5.7	3.5	.7	.1					
290-310		2.5	7.6	4.3	1.9	.6					
320-340		1.2	4.9	5.9	2.0						
.....											
VARIABLE											
CALM //											
TOTALS		22.2	41.0	26.5	4.3	.7					

TOTAL NUMBER OF OBSERVATIONS 100

NOY 78 OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM DAILY OBSERVATIONS

AREA: GA PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: APR HOURS: 15-17

SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
25-29	30-34	35-39	40-49	50-64	65-69	70-79			
2.8	7.7	7.0							
	4.5	4.5							
3.1	4.3	4.0							
5.0	5.1	6.0							
7.2	5.9	7.0							
8.8	5.5	6.0							
6.7	5.3	6.0							
8.3	5.0	5.0							
5.8	5.0	5.0							
13.2	6.0	7.0							
21.5	5.8	13.0							
14.0	10.2	10.0							
////////////////////////////////////							4.0	////////////////////////////////	
							100.0	7.5	7.5
OBSERVATIONS									

OPERATING LOCATION "AA"  
USAFHAFAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE CORRELATION  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

		WIND SPEED IN KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
.....		.....									
(4) 350-010		.7	.3	.0							
020-040		.3	.1								
050-070		1.2	.2	.1							
(5) 080-100		1.7	2.2	1.2							
110-130		2.7	4.1	1.1	.1						
140-160		3.4	3.2	.9	.1						
(5) 170-190		3.5	1.5	.1							
200-220		3.3	1.5	.1							
230-250		4.0	.8	.1							
(4) 260-280		5.4	2.7	.4							
290-310		5.1	5.2	4.5	.9				.1		
320-340		2.5	7.0	4.2	.7						
.....		.....									
VARIABLE											
CALM		////////////////////////////////////									
TOTALS		35.2	33.2	14.4	1.5				.1		
		TOTAL NUMBER OF OBSERVATIONS 200									
.....		.....									



PERCENTAGE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: 3A PERIOD OF RECORD: JUN 75 - MAY 80  
MONTH: APR HOURS: 18-20

SPEED IN KNOTS

20-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
						2.3	7.0	6.0
						.4	4.5	4.0
						1.5	3.7	4.0
						5.1	6.5	6.0
						3.0	6.2	6.0
						7.7	6.4	6.0
						5.4	3.5	3.0
						5.0	4.2	4.0
						4.4	2.7	2.0
						10.0	4.4	4.0
.1						20.8	7.1	6.0
						14.4	7.9	6.0

//////////////////// 14.3 //////////////////  
.1 100.0 6.1 6.0

NO. OF OBSERVATIONS 1000

OPERATING LOCATION NAME  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(N) 330-010	.9	1.5	.9							
020-040		.4								
050-070	.4	.1								
(E) 080-100	2.7	2.9	.7	.1						
110-130	3.5	3.3	.4	.1						
140-160	2.4	2.0	.9	.1						
(S) 170-190	2.0	.3	.3							
200-220	2.0	1.5								
230-250	3.0	.9								
(W) 260-280	7.0	1.5	.9							
290-310	1.9	2.3	.7	.1						
320-340	2.1	4.5	2.3	.1						

VARIABLE

CALM

TOTALS

35.1 17.4 5.7 .9

TOTAL NUMBER OF OBSERVATIONS 767

17. OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 18. HOURLY OBSERVATIONS

19. 54 PERIOD OF RECORD: JUN 70 - MAY 71  
 MONTH: APR HOURS: 21-23

WIND IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
20-29	30-34	35-39	40-49	50-54	65-69			
						3.0	6.3	6.0
						.4	6.0	5.0
						.2	2.0	2.0
						5.4	5.6	5.0
						7.3	5.5	5.0
						5.5	5.4	5.0
						3.0	4.3	4.0
						4.4	3.4	2.5
						3.5	2.5	2.0
						3.5	3.2	3.0
						15.0	5.2	5.0
						5.9	7.4	6.0

//////////////////////////////////// 30.0 //////////////////////////////////  
 100.0 3.5 4.0

21. OBSERVATIONS 767

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SA AND  
FROM AIRCRAFT OBSERVATION

STATION NUMBER: 722270

STATION NAME: DEWING AFB GA  
LST TO UTC: + 5

		WIND SPEED IN KNOTS							
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(PERCENTS)									
(N)	350-010	.1	1.3	.7	.1				
	020-040	.6	.3	.3					
	050-070	1.4	.5	.2					
(E)	080-100	2.2	3.3	1.4	.0				
	110-130	2.6	4.0	1.4	.0				
	140-160	2.3	3.0	1.0	.1				
(S)	170-190	2.3	1.3	.4					
	200-220	2.4	2.0	.7					
	230-250	2.2	1.6	.5					
(W)	260-280	3.5	4.0	1.7	.1	.3	.2		
	290-310	5.6	7.2	3.0	.3	.0	.7	.1	
	320-340	1.5	5.2	4.4	.2	.1			
TOTALS		31.1	34.3	17.1	2.2	.3			

TOTAL NUMBER OF OBSERVATIONS 5613

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION: 40000      PERIOD OF RECORD: JUN 73 - MAY 74  
 MONTH: APR      HOURS: ALL

WIND SPEED IN KNOTS							TOTAL	MEAN	MEDIAN
0-9	10-19	20-29	30-39	40-49	50-59	60-69			
.....	.....	.....	.....	.....	.....	.....	1	WIND	1.0
.....	.....	.....	.....	.....	.....	.....	2.9	6.9	6.0
.....	.....	.....	.....	.....	.....	.....	1.7	4.1	4.0
.....	.....	.....	.....	.....	.....	.....	2.1	6.2	6.0
.....	.....	.....	.....	.....	.....	.....	7.6	6.0	6.0
.....	.....	.....	.....	.....	.....	.....	1.0	5.3	5.0
.....	.....	.....	.....	.....	.....	.....	5.6	6.0	6.0
.....	.....	.....	.....	.....	.....	.....	4.4	4.5	4.0
.....	.....	.....	.....	.....	.....	.....	4.9	5.1	5.0
.....	.....	.....	.....	.....	.....	.....	4.5	4.5	4.0
.....	.....	.....	.....	.....	.....	.....	11.5	5.7	5.0
.....	.....	.....	.....	.....	.....	.....	12.4	7.5	7.0
.....	.....	.....	.....	.....	.....	.....	12.4	7.7	7.0
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	14.6	.....	.....
.....	.....	.....	.....	.....	.....	.....	100.0	5.6	5.0

TOTAL WINDS: 5613

OPERATING LOCATION: WAW  
ISAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACED  
FROM 4-JULY 1953 TO 11-1

STATION NUMBER: 722073

STATION NAME: JOHNS AFB GA  
LST TO UTC: + 5

CATEGORY A: CEILING OF 200 BUT LESS THAN 1000 FEET WITH VISIBILITY  
OF 1/2 MILE (3000 METERS) BUT LESS THAN 3 MILE (5000 METERS)  
WIND SPEED IN KNOTS

DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(W) 350-010	.3	1.3	.3						
020-040	.3	.2							
050-070	3.4	1.4	.6						
(N) 080-100	6.6	13.3	4.1	.2					
110-130	6.6	13.3	4.2	.4					
140-160	4.7	4.7	.3	.3					
(S) 170-190	6.0	.	.3						
200-220	1.3	2.0	.4						
230-250	1.4	.4							
(E) 260-280	2.0	2.0	.3		.2				
290-310	.	4.7	3.7					.2	
320-340		.3	1.4						

TABLE

CALC

TOTALS

27.1 43.2 19.7 .3 .2 .2

TOTAL NUMBER OF OBSERVATIONS 1004

WIND DIRECTION, SPEED AND DIRECTION VERSUS WIND SPEED  
 FOR JULY 1954 WITH 10

WIND DIRECTION: JUL 77 - MAY 1  
 MONTH: MAY 1954

WIND DIRECTION: 100 MILES (100 MILES).

WIND DIRECTION: 100 MILES (100 MILES) WITH DIRECTION OF 200 FEET.

WIND DIRECTION: 100 MILES (100 MILES) WITH DIRECTION OF 200 FEET.

WIND DIRECTION: 100 MILES (100 MILES) WITH DIRECTION OF 200 FEET.

WIND DIRECTION: 100 MILES (100 MILES) WITH DIRECTION OF 200 FEET.

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WIND DIRECTION: 100 MILES (100 MILES) WITH DIRECTION OF 200 FEET.

WIND DIRECTION: 100 MILES (100 MILES) WITH DIRECTION OF 200 FEET.

OPERATING LOCATION NAME  
USAR, TAC, ABT-VILL: NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
OF THE ONLY OF THE

STATION NUMBER: 722270

STATION NAME: JEBINS 19-54  
LST TO ETC: + 5

.....

SECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39  
(185775S)

.....

(N) 350-010

020-040

050-070

(I) 100-110

110-130

140-160

(S) 170-180

200-220 32.3

230-250

(4) 260-270

270-310

320-340

.....

VAR-1A-9L

240-250 //////////////////////////////////////

TOTAL 32.3

TOTAL NUMBER OF OBSERVATIONS 2

.....



NO. OF OCCURRENCE DURING WIND DIRECTION VERSUS WIND SPEED  
 FROM 0000 TO 0500 HOURS

DATE: 04-04-64 PERIOD OF RECORD: JUN 7 - MAY 14  
 MONTH: MAY DURS: 00-02

.....  
 WIND DIRECTION  
 00-04 04-08 08-12 12-16 16-20 20-24 24-28 28-32 32-36 36-40 40-44 44-48 48-52 52-56 56-60 60-64 64-68 68-72 72-76 76-80 80-84 84-88 88-92 92-96 96-00  
 TOTAL MEAN MEDIAN  
 WIND WIND WIND  
 .....  
 5.0

33.3 1.0 1.0

.....  
 ////////////////////////////////////// 55.0 //////////////////////////////////////  
 100.0 1.0 1.0

.....  
 OBSERVATIONS 3  
 .....

OPERATING LOCATION: WAM  
USARFIAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM JULY 1965 TO 1966

STATION NUMBER: 722270

STATION NAME: DOBINS AFB GA  
LST TIME: + 5

		WIND SPEED IN KNOTS							
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(N) 350-010		1.2	.3						
020-040		.3							
050-070		3.1	.3						
(E) 080-100		4.2	1.4	.6					
110-130		2.5	1.4	.2					
140-160		1.7	1.0						
(S) 170-190		2.2							
200-220		2.2	.2						
230-250		2.1	.2						
(W) 260-280		1.1	1.3						
290-310		7.1	4.3	.2					
320-340		1.4	2.7	.2					
.....									
VARIABLE									
.....									
TOTAL		////////////////////							
TOTALS		36.1	13.5	1.1					
.....									
TOTAL WIND SPEED									
.....									

TENDENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

12-47-64

PERIOD OF RECORD: JUN 70 - MAY 64  
MONTH: MAY HOURS: 03-06

WIND SPEED IN KNOTS

0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	TOTAL	MEAN WIND	MEDIAN WIND
											1.5	3.3	4.0
											.3	1.0	1.0
											3.7	2.5	2.0
											5.0	3.0	2.0
											4.1	4.2	3.8
											2.7	4.4	4.0
											2.2	2.5	2.0
											2.7	2.2	3.0
											2.7	1.5	2.5
											3.2	3.3	3.0
											12.2	4.2	4.0
											4.0	6.3	5.0

//////////////////////////////////// 47.0 //////////////////////////////////

100.0 2.0 3.0

HOURLY WIND

OPERATING LOCATION "A"  
USAFETAC, ACHEVILLE NC

PERCENTAGE FREQUENCY OF OCCUR- ENCE SURFACE  
FROM WINDY LOG KATIE 115

STATION NUMBER: 722270

STATION NAME: DEBRIS ARE GA  
LOT TO UID: + 5

		WIND SPEED IN KNOTS							
DIRECTION (015°-180°)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(4) 350-010		.5	.4	.2					
020-040		1.1							
050-070		1.3	.3						
(5) 080-100		7.5	4.1	.3					
110-130		4.2	5.1	.1					
140-160		2.0	1.1						
(5) 170-190		2.7	.6						
200-220		2.2	.5						
230-250		2.1	.3						
(4) 260-280		5.7	3.7	.1					
290-310		5.7	4.4	.2					
320-340		2.4	3.2	.4					
VARIABLE									
CALM		////////////////////////////////////							
TOTALS		33.3	22.5	2.2					
		TOTAL NUMBER OF OBSERVATIONS 115							

BY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM FLUXLEY OBSERVATIONS

STATION: 01A PERIOD OF RECORD: JUN 74 - MAY 84  
 MONTH: MAY HOURS: 06-07

WIND IN KNOTS

20-29	30-34	35-39	40-44	45-49	50-54	55-59	TOTAL	MEAN	MEDIAN
							N	WIND	WIND
							1.3	5.2	5.0
							1.1	2.3	2.0
							2.7	3.4	3.0
							12.3	4.3	4.0
							7.4	4.4	4.0
							5.1	3.7	4.0
							3.3	3.5	4.0
							2.7	3.2	3.0
							2.5	3.3	3.0
							4.5	4.2	4.0
							11.2	4.9	4.0
							4.5	4.5	4.0

//////////////////////////////////// 50.4 //////////////////////////////////

112.3 2.3 4.0

WINDS 210

OPERATING LOCATION "A"  
USAFETAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE 51-61  
52-61 62-71 72-81 82-91 92-100

STAT ID NUMBER: 722070

STATION NAME: DRAINS 4-0 64  
LST TO UTC: + 5

DIRECTION (OBSERVERS)	WIND SPEED IN KNOTS				
	1-4	5-9	10-14	15-19	20-24
(4) 360-010	1.5	1.3	.4	.2	
020-040	1.4	.9			
050-070	2.2	.7	.2		
(5) 080-110	3.4	5.2	1.2		
110-140	5.1	5.9	1.2	.1	
140-160	3.1	2.4			
(5) 170-190	5.3	2.9	.2		
200-220	4.5	2.4	.2		
230-260	3.3	1.5	.1		
(4) 260-280	5.5	3.4	1.2		
290-310	4.3	5.2	2.3	.3	
320-340	2.7	3.0	2.3	.1	
ADDITIONAL					
CALC	////////////////////////////////////				
TOTALS	43.2	35.3	10.2	.7	
TOTAL NUMBER OF OBSERVATIONS 260					

PERIOD OF RECORD: JUN 70 - MAY 71  
MONTH: MAY HOURS: 09-11

19 ENETS

20-29	30-34	35-39	40-49	50-64	65-69	TOTAL	SEAN MILL	MODIAH MILL
						3.4	5.3	5.0
						2.3	3.7	3.1
						2.1	4.0	4.0
						10.2	5.3	5.0
						12.3	5.7	6.0
						3.4	4.3	4.3
						3.5	4.1	4.0
						3.1	4.0	3.5
						4.2	4.3	4.0
						10.0	4.1	4.0
						13.7	5.3	5.0
						6.5	5.3	7.2

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//////////////////////////////////////  1.0  ////////////////////////////////////////
                                     100.0    4.0    0.0

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DATE 11/15/75

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM 1 JULY 1951 TO 1952

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

WIND SPEED 14 KNOTS									
WINDSPEED (KNOTS)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(4) 350-399	1.3	1.2	.6	.1					
400-449	.4	.1	.1						
450-499	1.5	1.3							
(5) 500-549	2.5	2.5	1.0	.5					
550-599	3.3	5.2	.4	.1					
600-649	4.3	6.1	.5						
(6) 650-699	6.2	3.1	.7						
700-749	4.4	6.3	1.0						
750-799	4.3	3.3	.7						
(7) 800-849	3.0	5.2	1.0						
850-899	4.4	3.4	3.4	.1	.1				
900-949	3.7	3.3	3.1	.4	.1				
.....									
VARIATE									
SCALE	////////////////////////////////////								
TOTALS	37.3	43.1	13.	1.5	.2				
TOTAL NUMBER OF OBSERVATIONS 1000									



### NO. OF OCCURRENCE SURFACE WIND DIRECTION, VERSUS WIND SPEED FOR JULY PRECIPITATIONS

— 154 —

DAY: 15    MONTH: MAY    HOURS: 13-14

SECRET

31-33	34-36	37-39	40-42	43-45	46-48	49-51	52-54	55-57	58-60	61-63	64-66	67-69	70-72	73-75	76-78	79-81	82-84	85-87	88-90	91-93	94-96	97-99	100-102	103-105	106-108	109-111	112-114	115-117	118-120	121-123	124-126	127-129	130-132	133-135	136-138	139-141	142-144	145-147	148-150	151-153	154-156	157-159	160-162	163-165	166-168	169-171	172-174	175-177	178-180	181-183	184-186	187-189	190-192	193-195	196-198	199-201	202-204	205-207	208-210	211-213	214-216	217-219	220-222	223-225	226-228	229-231	232-234	235-237	238-240	241-243	244-246	247-249	250-252	253-255	256-258	259-261	262-264	265-267	268-270	271-273	274-276	277-279	280-282	283-285	286-288	289-291	292-294	295-297	298-300	301-303	304-306	307-309	310-312	313-315	316-318	319-321	322-324	325-327	328-330	331-333	334-336	337-339	340-342	343-345	346-348	349-351	352-354	355-357	358-360	361-363	364-366	367-369	370-372	373-375	376-378	379-381	382-384	385-387	388-390	391-393	394-396	397-399	400-402	403-405	406-408	409-411	412-414	415-417	418-420	421-423	424-426	427-429	430-432	433-435	436-438	439-441	442-444	445-447	448-450	451-453	454-456	457-459	460-462	463-465	466-468	469-471	472-474	475-477	478-480	481-483	484-486	487-489	490-492	493-495	496-498	499-501	502-504	505-507	508-510	511-513	514-516	517-519	520-522	523-525	526-528	529-531	532-534	535-537	538-540	541-543	544-546	547-549	550-552	553-555	556-558	559-561	562-564	565-567	568-570	571-573	574-576	577-579	580-582	583-585	586-588	589-591	592-594	595-597	598-600	601-603	604-606	607-609	610-612	613-615	616-618	619-621	622-624	625-627	628-630	631-633	634-636	637-639	640-642	643-645	646-648	649-651	652-654	655-657	658-660	661-663	664-666	667-669	670-672	673-675	676-678	679-681	682-684	685-687	688-690	691-693	694-696	697-699	700-702	703-705	706-708	709-711	712-714	715-717	718-720	721-723	724-726	727-729	730-732	733-735	736-738	739-741	742-744	745-747	748-750	751-753	754-756	757-759	760-762	763-765	766-768	769-771	772-774	775-777	778-780	781-783	784-786	787-789	790-792	793-795	796-798	799-801	802-804	805-807	808-810	811-813	814-816	817-819	820-822	823-825	826-828	829-831	832-834	835-837	838-840	841-843	844-846	847-849	850-852	853-855	856-858	859-861	862-864	865-867	868-870	871-873	874-876	877-879	880-882	883-885	886-888	889-891	892-894	895-897	898-900	901-903	904-906	907-909	910-912	913-915	916-918	919-921	922-924	925-927	928-930	931-933	934-936	937-939	940-942	943-945	946-948	949-951	952-954	955-957	958-960	961-963	964-966	967-969	970-972	973-975	976-978	979-981	982-984
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[illegible]

100-441145-102

PERCENTAGE FREQUENCY OF OCCURRENCE OF THE  
OF THE FOLLOWING ARE GIVEN:

STATION NAME: JBR INO AFD VA  
LST TO UTC: + 8

VELOCITY	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99	100-104	105-109	110-114	115-119	120-124	125-129	130-134	135-139	140-144	145-149	150-154	155-159	160-164	165-169	170-174	175-179	180-184	185-189	190-194	195-199	200-204	205-209	210-214	215-219	220-224	225-229	230-234	235-239	240-244	245-249	250-254	255-259	260-264	265-269	270-274	275-279	280-284	285-289	290-294	295-299	300-304	305-309	310-314	315-319	320-324	325-329	330-334	335-339	340-344	345-349	350-354	355-359	360-364	365-369	370-374	375-379	380-384	385-389	390-394	395-399	400-404	405-409	410-414	415-419	420-424	425-429	430-434	435-439	440-444	445-449	450-454	455-459	460-464	465-469	470-474	475-479	480-484	485-489	490-494	495-499	500-504	505-509	510-514	515-519	520-524	525-529	530-534	535-539	540-544	545-549	550-554	555-559	560-564	565-569	570-574	575-579	580-584	585-589	590-594	595-599	600-604	605-609	610-614	615-619	620-624	625-629	630-634	635-639	640-644	645-649	650-654	655-659	660-664	665-669	670-674	675-679	680-684	685-689	690-694	695-699	700-704	705-709	710-714	715-719	720-724	725-729	730-734	735-739	740-744	745-749	750-754	755-759	760-764	765-769	770-774	775-779	780-784	785-789	790-794	795-799	800-804	805-809	810-814	815-819	820-824	825-829	830-834	835-839	840-844	845-849	850-854	855-859	860-864	865-869	870-874	875-879	880-884	885-889	890-894	895-899	900-904	905-909	910-914	915-919	920-924	925-929	930-934	935-939	940-944	945-949	950-954	955-959	960-964	965-969	970-974	975-979	980-984	985-989	990-994	995-999	1000-1004	1005-1009	1010-1014	1015-1019	1020-1024	1025-1029	1030-1034	1035-1039	1040-1044	1045-1049	1050-1054	1055-1059	1060-1064	1065-1069	1070-1074	1075-1079	1080-1084	1085-1089	1090-1094	1095-1099	1100-1104	1105-1109	1110-1114	1115-1119	1120-1124	1125-1129	1130-1134	1135-1139	1140-1144	1145-1149	1150-1154	1155-1159	1160-1164	1165-1169	1170-1174	1175-1179	1180-1184	1185-1189	1190-1194	1195-1199	1200-1204	1205-1209	1210-1214	1215-1219	1220-1224	1225-1229	1230-1234	1235-1239	1240-1244	1245-1249	1250-1254	1255-1259	1260-1264	1265-1269	1270-1274	1275-1279	1280-1284	1285-1289	1290-1294	1295-1299	1300-1304	1305-1309	1310-1314	1315-1319	1320-1324	1325-1329	1330-1334	1335-1339	1340-1344	1345-1349	1350-1354	1355-1359	1360-1364	1365-1369	1370-1374	1375-1379	1380-1384	1385-1389	1390-1394	1395-1399	1400-1404	1405-1409	1410-1414	1415-1419	1420-1424	1425-1429	1430-1434	1435-1439	1440-1444	1445-1449	1450-1454	1455-1459	1460-1464	1465-1469	1470-1474	1475-1479	1480-1484	1485-1489	1490-1494	1495-1499	1500-1504	150
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CAST

[illegible]

INITIALS	3.0	10.7	1.0	2.0	.1
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TOTAL NUMBER OF PAGES: 100

8. SURFACE AND DIRECTION WINDS (IP 12-17)  
 1. JULY 1950 - 1951

DATE: JUN 7 - 1951  
 MONTH: MAY HOURS: 15-17

WINDS

1-14	15-34	35-54	55-74	75-94	95-114	TOTAL	MEAN	MAX
							WIND	WIND
						3.2	6.3	7.3
						1.1	4.3	4.0
						2.4	4.3	4.0
						5.2	6.3	6.3
						6.1	6.3	6.3
						3.4	6.2	6.3
						6.1	6.3	6.3
						3.5	4.7	4.6
						7.2	4.3	4.3
						11.7	5.6	6.3
						14.0	7.5	6.3
						13.1	7.9	6.6

5.1

10.2 6.5 6.3

1. JULY 1950 - 1951

OPERATING LOCATION: "A"  
 USARV, ANKOVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRING SIGNALS  
 - 100% - 100% - 100% - 100% - 100% - 100% - 100% - 100% - 100% - 100%

STATION NAME: 722270 STATION NAME: 722270  
 EST TO UTC: + 5

WIND SPEED IN KNOTS

PERIOD (0000-0000)	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50
(1) 050-010	.5	.5	1.0							
020-040	.5	.2								
060-070	1.0	.7	.2							
(2) 100-130	1.0	1.0	.2							
110-130	5.7	1.0	.7							
140-170	5.7	2.3	.1							
(3) 170-200	2.0	2.0								
210-240	5.7	1.0								
250-280	5.7	.7								
(4) 290-320	.7	2.0	.4							
330-360	5.7	5.0	1.0	.7						
370-400	5.7	5.4	2.7	.7						

WINDSPEED

WIND

TOTALS 4.4 25.7 2.4 .7

TOTAL WIND SPEED IN KNOTS

TABLE 1. COORDINATE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FOR JULY 1965, VALL 12

PERIOD: MAY 21-31; JUN 7 - 14; JUL 1-6  
 DATA: MAY 21-31; JUN 13-20

WIND IN KNOTS

0-10	11-20	21-30	31-40	41-50	TOTAL	WIND	WIND
						100.0	100.0
						2.1	2.2
						2.2	3.3
						2.7	4.2
						4.1	4.5
						4.9	4.5
						7.1	4.1
						8.4	3.1
						11.5	3.2
						13.7	3.7
						14.9	4.1
						14.2	4.5
						12.1	7.0

//////////////////////////////////// 23.7 //////////////////////////////////  
 100.0 3.1 4.2

WINDS 922

STATE DEPARTMENT, WASHINGTON, D. C.  
JAN 10 1951

LST T1010: + 5

(7)	350-360	2.3	1.1	.7
	360-370	.3		
	370-375	.7	.3	
(8)	380-390	2.5	2.4	.7
	390-400	3.1	2.9	
	400-410	4.4	1.1	.7
(9)	410-420	3.9	.3	
	420-430	2.3		
	430-440	2.4	.2	
(10)	440-450	4.2	1.3	.2
	450-460	5.4	3.3	.3
	460-470	2.1	2.2	1.1

NAME: //////////////////////////////////////

TOTALS	35.4	17.2	5.3
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TOTAL NUMBER OF SUBSTITUTIONS 13

ANALYSIS OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FOR THE YEARLY OBSERVATIONS

STATION: GA

PERIOD OF RECORD: JUN 74 - MAY 75  
 MONTH: MAY 1975: 21-23

WIND SPEED IN KNOTS

14-20-22	21-24	25-27	28-30	31-34	35-38	39-42	43-46	47-50	TOTAL	MEAN SPEED	MEDIAN SPEED
									4.2	5.3	4.0
									1.3	2.5	2.5
									1.2	2.2	2.0
									2.7	5.4	5.0
									5.1	4.2	4.0
									5.7	5.5	4.0
									4.2	2.6	2.0
									2.3	2.4	2.0
									2.5	2.3	2.0
									5.4	3.5	3.0
									10.0	4.1	3.0
									3.5	4.0	4.0

42.9

100.0 2.4 4.0

Observations 513

OPERATING LOCATION NAME  
JSA-TTAT, ASA VILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WIND  
DURING PERIOD JULY 1-5, 1961

STATION ID NO: 722170

STATION NAME: JSA-TTAT, ASA VILLE, NC  
LST TO UTC: + 5

		WIND SPEED IN KNOTS									
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(0-360)											
(N)	350-010	1.2	.9	.5	.1						
	020-040	.7	.2	.0							
	050-070	1.	.9	.1							
(E)	080-100	3.7	3.0	.1	.1						
	110-130	3.7	3.5	.4	.1						
	140-160	3.5	2.9	.3	.0						
(S)	170-190	4.5	2.0	.2							
	200-220	4.2	1.2	.3							
	230-250	2.3	1.3	.1							
(W)	260-280	5.4	3.4	.7							
	290-310	5.5	3.7	2.2	.3	.0					
	320-340	2.5	4.5	2.5	.2	.0					
VARIABLE											
CALM		////////////////////									
TOTALS		40.1	29.2	6.0	.7						

TOTAL NUMBER OF OBSERVATIONS: 144



### WIND OCCURRENCE, SH-RAGE, WIND DIRECTION VERSUS WIND SPEED AT DIFFERENT OBSERVATIONS

*Journal of Management Education*

REF ID: A610400; JUN 73 - MAY 74

ADVIS: MAY                      PDPS: ALL

IN KRYPTS

23-27    33-34    37-38    42-44    52-54    62-63    TOTAL 15711    15711

670

3.7      3.1      5.2

1.000 0.999 0.998 0.997 0.996 0.995 0.994 0.993 0.992 0.991 0.990 0.989 0.988 0.987 0.986 0.985 0.984 0.983 0.982 0.981 0.980 0.979 0.978 0.977 0.976 0.975 0.974 0.973 0.972 0.971 0.970 0.969 0.968 0.967 0.966 0.965 0.964 0.963 0.962 0.961 0.960 0.959 0.958 0.957 0.956 0.955 0.954 0.953 0.952 0.951 0.950 0.949 0.948 0.947 0.946 0.945 0.944 0.943 0.942 0.941 0.940 0.939 0.938 0.937 0.936 0.935 0.934 0.933 0.932 0.931 0.930 0.929 0.928 0.927 0.926 0.925 0.924 0.923 0.922 0.921 0.920 0.919 0.918 0.917 0.916 0.915 0.914 0.913 0.912 0.911 0.910 0.909 0.908 0.907 0.906 0.905 0.904 0.903 0.902 0.901 0.900 0.899 0.898 0.897 0.896 0.895 0.894 0.893 0.892 0.891 0.890 0.889 0.888 0.887 0.886 0.885 0.884 0.883 0.882 0.881 0.880 0.879 0.878 0.877 0.876 0.875 0.874 0.873 0.872 0.871 0.870 0.869 0.868 0.867 0.866 0.865 0.864 0.863 0.862 0.861 0.860 0.859 0.858 0.857 0.856 0.855 0.854 0.853 0.852 0.851 0.850 0.849 0.848 0.847 0.846 0.845 0.844 0.843 0.842 0.841 0.840 0.839 0.838 0.837 0.836 0.835 0.834 0.833 0.832 0.831 0.830 0.829 0.828 0.827 0.826 0.825 0.824 0.823 0.822 0.821 0.820 0.819 0.818 0.817 0.816 0.815 0.814 0.813 0.812 0.811 0.810 0.809 0.808 0.807 0.806 0.805 0.804 0.803 0.802 0.801 0.800 0.799 0.798 0.797 0.796 0.795 0.794 0.793 0.792 0.791 0.790 0.789 0.788 0.787 0.786 0.785 0.784 0.783 0.782 0.781 0.780 0.779 0.778 0.777 0.776 0.775 0.774 0.773 0.772 0.771 0.770 0.769 0.768 0.767 0.766 0.765 0.764 0.763 0.762 0.761 0.760 0.759 0.758 0.757 0.756 0.755 0.754 0.753 0.752 0.751 0.750 0.749 0.748 0.747 0.746 0.745 0.744 0.743 0.742 0.741 0.740 0.739 0.738 0.737 0.736 0.735 0.734 0.733 0.732 0.731 0.730 0.729 0.728 0.727 0.726 0.725 0.724 0.723 0.722 0.721 0.720 0.719 0.718 0.717 0.716 0.715 0.714 0.713 0.712 0.711 0.710 0.709 0.708 0.707 0.706 0.705 0.704 0.703 0.702 0.701 0.700 0.699 0.698 0.697 0.696 0.695 0.694 0.693 0.692 0.691 0.690 0.689 0.688 0.687 0.686 0.685 0.684 0.683 0.682 0.681 0.680 0.679 0.678 0.677 0.676 0.675 0.674 0.673 0.672 0.671 0.670 0.669 0.668 0.667 0.666 0.665 0.664 0.663 0.662 0.661 0.660 0.659 0.658 0.657 0.656 0.655 0.654 0.653 0.652 0.651 0.650 0.649 0.648 0.647 0.646 0.645 0.644 0.643 0.642 0.641 0.640 0.639 0.638 0.637 0.636 0.635 0.634 0.633 0.632 0.631 0.630 0.629 0.628 0.627 0.626 0.625 0.624 0.623 0.622 0.621 0.620 0.619 0.618 0.617 0.616 0.615 0.614 0.613 0.612 0.611 0.610 0.609 0.608 0.607 0.606 0.605 0.604 0.603 0.602 0.601 0.600 0.599 0.598 0.597 0.596 0.595 0.594 0.593 0.592 0.591 0.590 0.589 0.588 0.587 0.586 0.585 0.584 0.583 0.582 0.581 0.580 0.579 0.578 0.577 0.576 0.575 0.574 0.573 0.572 0.571 0.570 0.569 0.568 0.567 0.566 0.565 0.564 0.563 0.562 0.561 0.560 0.559 0.558 0.557 0.556 0.555 0.554 0.553 0.552 0.551 0.550 0.549 0.548 0.547 0.546 0.545 0.544 0.543 0.542 0.541 0.540 0.539 0.538 0.537 0.536 0.535 0.534 0.533 0.532 0.531 0.530 0.529 0.528 0.527 0.526 0.525 0.524 0.523 0.522 0.521 0.520 0.519 0.518 0.517 0.516 0.515 0.514 0.513 0.512 0.511 0.510 0.509 0.508 0.507 0.506 0.505 0.504 0.503 0.502 0.501 0.500 0.499 0.498 0.497 0.496 0.495 0.494 0.493 0.492 0.491 0.490 0.489 0.488 0.487 0.486 0.485 0.484 0.483 0.482 0.481 0.480 0.479 0.478 0.477 0.476 0.475 0.474 0.473 0.472 0.471 0.470 0.469 0.468 0.467 0.466 0.465 0.464 0.463 0.462 0.461 0.460 0.459 0.458 0.457 0.456 0.455 0.454 0.453 0.452 0.451 0.450 0.449 0.448 0.447 0.446 0.445 0.444 0.443 0.442 0.441 0.440 0.439 0.438 0.437 0.436 0.435 0.434 0.433 0.432 0.431 0.430 0.429 0.428 0.427 0.426 0.425 0.424 0.423 0.422 0.421 0.420 0.419 0.418 0.417 0.416 0.415 0.414 0.413 0.412 0.411 0.410 0.409 0.408 0.407 0.406 0.405 0.404 0.403 0.402 0.401 0.400 0.399 0.398 0.397 0.396 0.395 0.394 0.393 0.392 0.391 0.390 0.389 0.388 0.387 0.386 0.385 0.384 0.383 0.382 0.381 0.380 0.379 0.378 0.377 0.376 0.375 0.374 0.373 0.372 0.371 0.370 0.369 0.368 0.367 0.366 0.365 0.364 0.363 0.362 0.361 0.360 0.359 0.358 0.357 0.356 0.355 0.354 0.353 0.352 0.351 0.350 0.349 0.348 0.347 0.346 0.345 0.344 0.343 0.342 0.341 0.340 0.339 0.338 0.337 0.336 0.335 0.334 0.333 0.332 0.331 0.330 0.329 0.328 0.327 0.326 0.325 0.324 0.323 0.322 0.321 0.320 0.319 0.

2.7      3.3      4.0

1.2 5.3 5.1

7.1      3.1      3.2

1. 3 4 5

(b) (5) DPP      (b) (5) DPP      (b) (5) DPP

1000 1000 1000

4.7      3.1      1.2

4.6 4.7 4.8

13.2      3.3      3.3

1.1 1.1 1.1

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[illegible][illegible]

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OPERATING LOCATION NAME  
USAF TAC, WASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
WIND SPEEDS IN KNOTS

STATION NUMBER: 722270 STATION NAME: WILSONS AFB NC  
LST TO UTC: + 8

DATE AND TIME OF OBSERVATION: 2000-04-10 10:00  
WIND SPEED IN KNOTS  
VISIBILITY OF 1/2 MIL (0.000 METERS) NOT LESS THAN 3 MIL (

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(DEGREES)

(N) 350-010	.2	.2	.4					
020-040	.4	.2						
050-070	4.3	2.3	.4					
(L) 080-110	4.0	4.1	4.1	.2				
110-140	7.4	4.0	4.1	.2				
140-170	4.4	3.5						
(S) 170-200	4.8	1.0						
200-230	4.4	1.5						
230-260	2.2	1.0	.2					
(W) 260-290	4.5	2.5	.4					
300-310	1.1	4.7	.2					
320-340	.4	4.1	.2	.2				

VARIABLE

CALC //

TOTALS 37.3 40.0 9.1 .4

TOTAL NUMBER OF OBSERVATIONS 40

\*\*\*\*\*  
FROM: SAC, NEW YORK (100-87693) (P)  
TO: DIRECTOR, FBI (100-388610) (P)  
SUBJECT: MURDER OF MARTIN LUTHER KING, JR.;  
RE: NEW YORK TELETYPE TO BUREAU, APRIL TWENTY, LAST.  
\*\*\*\*\*

NOT LESS THAN 3 MILS (42 METERS) HIGH CEILING AT 200 FEET.

1. DATE \_\_\_\_\_

19-22	23-24	25-28	29-34	35-40	TOTAL	MEAN	STANDARD
					PERIOD	PERIOD	PERIOD
					7.3	7.5	
					8.0	8.0	
					9.0	9.0	
					10.4	7.5	
					10.0	8.7	
					9.0	9.3	
					5.4	3.5	4.0
					5.2	3.7	3.0
					3.5	4.4	4.0
					7.4	4.3	4.0
					7.2	5.3	5.0
					5.0	7.4	7.0

12.5 //

100.0      4.3      5.3

DATE 1950 4.5

PERCENTAGE FREQUENCY OF 1954-1957 SURVIVORS  
BY AGE GROUP AND SEX

STATION NAME: LINDING W. 1A  
LST TO HQ: + 5

SECRET  
(S)

 $i = j$ 

10-10

1. *Journal of the American Medical Association*, 1990; 263: 1025-1028.

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1. 2.

22

37.1

28

104

TOTAL NUMBER OF DISPOSITIONS 640

THEY ARE BECOMING GOOD SURVIVORS AND PLACED IN VARIOUS WARD'S AND SPECIAL  
UNITS OF THE ARMY.

DATE: JUN 7 - DAY: MON  
 TIME: 11:00 AM - 12:00 PM

1000 11. 25. 75

1. The first group of variables,  $Y_1$  through  $Y_4$ , are the four dependent variables.  $Y_1$  is the dependent variable for the first equation,  $Y_2$  for the second,  $Y_3$  for the third, and  $Y_4$  for the fourth. The independent variables are  $X_1$  through  $X_4$ . The error term is  $u_i$ .

• 7 •

1.6      1.7      1.8

[illegible]

1. 2. 3.

*(continued)*

1. 2. 3.

1. 2. 3.

1. 2. 3.

1. 3      2. 7      3. 2

1990 1991 1992

104 200 300

1. 2. 3.

00000000000000000000000000000000

100.0      1.7      3.0

1947 1948 1949

[illegible]

STATION 100: 100 100 100  
EST 100: 100 100 100

		SIX MONTHLY TOTALS				
PERIOD		1-6	7-12	13-18	19-24	25-30
(1915-1916)						
(1)	550-610	1.0	.7			
	620-680	1.5	.1			
	690-770	4.1	.3			
(2)	780-110	7.3	2.1	.5		
	110-135	4.1	1.2			
	140-155	2.1	.4			
(3)	170-210	4.5	.7			
	220-240	3.7	.3			
	250-280	3.1	.4			
(4)	290-310	2.3	2.5			
	320-340	4.1	4.3			
	350-360	2.0	1.7	.5	.1	
TOTAL		41.6	16.3	.5	.1	
TOTAL (1915-1916) (1917-1918)		88.4				

DATE: JUN 73 - 10Y  
MONTH: JUN YEAR: 69-69

.....

OPERATING LOCATION: WAW  
 USARPTAC, ASHTVILLE, NC

PERCENTAGE PER MONTH

STATION NUMBER: 702270

STATION NAME: WAW  
 EST. TO HQ: + 6

.....

.....  
 (1) 350-310 2.3 2.0 .6  
 (2) 350-340 1.2 .3 .1  
 (3) 350-370 3.7 2.1 .1  
 (4) 380-100 4.3 4.4 1.2  
 (5) 110-130 4.2 4.4 .3 .1  
 (6) 140-160 2.4 2.0  
 (7) 170-190 1.2 1.3  
 (8) 200-220 3.6 1.1  
 (9) 230-250 3.2 1.4  
 (10) 260-280 2.4 5.3 .1  
 (11) 290-310 4.0 7.2 1.2  
 (12) 320-340 2.4 5.2 1.2  
 .....  
 VARIABLE  
 .....  
 TOTALS 4.3 7.1 3.3 .1  
 .....  
 TOTAL NUMBER OF MONTHS: 12  
 .....



79-00089-001 SC PAGE TWO OF ACTION VERSUS WITTS SPEECH  
JULY 1967 MATING

[illegible]

.....  
 1000 IN. 20 PTS

1-1-37	32-38	39-41	42-43	44-46	47-49	50-52	53-55	56-58	59-61	62-64	65-67	68-70	71-73	74-76	77-79	80-82	83-85	86-88	89-91	92-94	95-97	98-100	101-103	104-106	107-109	110-112	113-115	116-118	119-121	122-124	125-127	128-130	131-133	134-136	137-139	140-142	143-145	146-148	149-151	152-154	155-157	158-160	161-163	164-166	167-169	170-172	173-175	176-178	179-181	182-184	185-187	188-190	191-193	194-196	197-199	200-202	203-205	206-208	209-211	212-214	215-217	218-220	221-223	224-226	227-229	230-232	233-235	236-238	239-241	242-244	245-247	248-250	251-253	254-256	257-259	260-262	263-265	266-268	269-271	272-274	275-277	278-280	281-283	284-286	287-289	290-292	293-295	296-298	299-301	302-304	305-307	308-310	311-313	314-316	317-319	320-322	323-325	326-328	329-331	332-334	335-337	338-340	341-343	344-346	347-349	350-352	353-355	356-358	359-361	362-364	365-367	368-370	371-373	374-376	377-379	380-382	383-385	386-388	389-391	392-394	395-397	398-400	401-403	404-406	407-409	410-412	413-415	416-418	419-421	422-424	425-427	428-430	431-433	434-436	437-439	440-442	443-445	446-448	449-451	452-454	455-457	458-460	461-463	464-466	467-469	470-472	473-475	476-478	479-481	482-484	485-487	488-490	491-493	494-496	497-499	500-502	503-505	506-508	509-511	512-514	515-517	518-520	521-523	524-526	527-529	530-532	533-535	536-538	539-541	542-544	545-547	548-550	551-553	554-556	557-559	560-562	563-565	566-568	569-571	572-574	575-577	578-580	581-583	584-586	587-589	590-592	593-595	596-598	599-601	602-604	605-607	608-610	611-613	614-616	617-619	620-622	623-625	626-628	629-631	632-634	635-637	638-640	641-643	644-646	647-649	650-652	653-655	656-658	659-661	662-664	665-667	668-670	671-673	674-676	677-679	680-682	683-685	686-688	689-691	692-694	695-697	698-700	701-703	704-706	707-709	710-712	713-715	716-718	719-721	722-724	725-727	728-730	731-733	734-736	737-739	740-742	743-745	746-748	749-751	752-754	755-757	758-760	761-763	764-766	767-769	770-772	773-775	776-778	779-781	782-784	785-787	788-790	791-793	794-796	797-799	800-802	803-805	806-808	809-811	812-814	815-817	818-820	821-823	824-826	827-829	830-832	833-835	836-838	839-841	842-844	845-847	848-850	851-853	854-856	857-859	860-862	863-865	866-868	869-871	872-874	875-877	878-880	881-883	884-886	887-889	890-892	893-895	896-898	899-901	902-904	905-907	908-910	911-913	914-916	917-919	920-922	923-925	926-928	929-931	932-934	935-937	938-940	941-943	944-946	947-949	950-952	953-955	956-958	959-961	962-964	965-967	968-970	971-973	974-976	977-979	980-982	983-9
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100.0      4.5      4.0

111 15 400

OPERATING LOCATION NAME  
USAF ATAC, ASH-VILLE NC

PERCENTAGE EFFICIENCY OF ACCUMULATION 94.3  
FROM 10 JULY 1954-1955

STATION NUMBER: 722270

STATION NAME: WILKINS AFB GA  
EST TO DTC: + 5

		WIND SPEED IN KNOTS							
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
.....		.....							
(N) 350-010		3.2	1.7	.2					
020-040		2.3	.5						
050-070		2.1	1.2						
(E) 080-100		2.1	4.3	1.2					
110-130		2.5	4.7	1.0					
140-160		2.2	2.3						
(S) 170-190		3.2	1.5						
200-220		4.2	3.5						
230-250		4.3	1.5	.1					
(J) 250-270		5.5	5.5	.2					
290-310		4.4	3.3	1.		.1			
320-340		6.2	5.4	1.1	.1				
.....		.....							
VARIABLE									
CALC		////////////////////////////////////							
TOTALS		44.5	44.5	6.5	.1	.1			
.....		.....							
		TOTAL NUMBER OF OBSERVATIONS 900							
.....		.....							

# FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 1000 GA PERIOD OF RECORD: JUN 76 - MAY 77  
 MONTH: JUN HOURS: 12-14

SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
25-29	30-34	35-39	40-44	45-49	50-54			
						5.1	4.3	4.0
						2.0	3.2	3.0
						3.3	3.5	3.0
						3.7	5.0	6.0
						0.2	5.0	5.0
						5.7	4.2	4.0
						5.0	4.0	4.0
						7.8	4.3	4.0
						5.2	4.1	4.0
						14.2	5.1	5.0
						15.7	6.2	6.0
						11.3	5.4	5.0
						4.3		
						100.0	4.9	5.0

OBSERVATIONS 900

OPERATING LOCATION "AW"  
USAFSTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SHEET  
FROM 400RLY OBSERVATION

STATION NUMBER: 722270

STATION NAME: JOBBINS AFB GA  
LST TO UTC: + 5

		WIND SPEED IN KNOTS							
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(N) 350-010		2.1	2.4	.3	.1				
020-040		1.9	.2	.1					
050-070		2.1	1.3	.1					
(E) 080-100		3.7	3.6	.4					
110-130		3.4	3.6	.1					
140-160		2.3	2.4	.1					
(S) 170-190		4.2	1.0						
200-220		5.3	2.2	.1					
230-250		4.4	1.2	.1					
(W) 260-280		7.6	6.3	.6					
290-310		6.7	7.9	2.2	.1				
320-340		4.3	6.8	2.6					
.....									
VARIABLE									
CALM //////////////////////////////////////									
TOTALS		49.4	33.5	7.4	.2				

TOTAL NUMBER OF OBSERVATIONS 300

# INCIDENCE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 01 PERIOD OF RECORD: JUN 73 - MAY 76  
 MONTH: JUN HOURS: 15-17

WIND SPEED IN KNOTS						TOTAL	MEAN WIND	MEDIAN WIND
25-29	30-34	35-39	40-44	45-49	50-54			
						5.0	5.6	5.0
						2.2	3.1	2.0
						4.0	4.5	4.0
						3.0	5.3	5.0
						9.1	5.5	5.0
						5.4	4.4	4.0
						5.2	3.3	3.0
						7.7	3.9	4.0
						5.7	3.9	4.0
						14.4	4.5	4.0
						15.9	5.0	5.0
						12.4	5.3	5.0
////////////////////						3.0	////////////////	
						100.0	4.8	4.0

OBSERVATIONS 200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722070

STATION NAME: COBBINS AFB GA  
LST TO UTC: + 5

		WIND SPEED IN KNOTS							
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(N) 350-010		1.6	1.4	.3	.2				
020-040		2.1							
050-070		2.0	.3						
(E) 080-100		3.4	2.4	.7					
110-130		3.2	3.6	.3					
140-160		1.1	1.7						
(S) 170-190		4.2	.3						
200-220		4.3	.4						
230-250		5.2	1.4						
(W) 260-280		10.2	2.0						
290-310		2.3	4.2	.3					
320-340		5.6	5.3	1.2	.1				
.....									
VARIABLE									
CALM //////////////////////////////////////									
TOTALS		54.5	24.5	2.3	.3				

TOTAL NUMBER OF OBSERVATIONS 900

# FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 94

PERIOD OF RECORD: JUN 71 - MAY 83  
MONTH: JUL HOURS: 18-20

WIND SPEED IN KNOTS

25-29	30-34	35-39	40-44	45-49	50-54	55-59	TOTAL	MEAN	MEDIAN
							%	WIND	WIND
							3.5	5.0	5.0
							2.1	2.4	2.0
							3.5	3.2	3.0
							6.7	5.0	4.0
							7.1	5.0	5.0
							3.4	4.1	4.0
							5.0	3.3	3.0
							4.9	2.8	3.0
							5.7	3.0	2.0
							12.2	5.2	3.0
							14.3	4.2	4.0
							12.7	5.5	5.0

17.7

100.0 3.4 4.0

OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFRTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACED  
FROM HOURLY OBSERVATION

STATION NUMBER: 722270

STATION NAME: DODDINS AFB GA  
LST TO UTC: + 5

		WIND SPEED IN KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40	
(N) 350-010		1.5	.7	.2							
020-040		.5									
050-070		2.5									
(E) 080-100		3.0	2.7	.3							
110-130		1.4	1.7	.2							
140-160		1.7	.5								
(S) 170-190		3.2	.5								
200-220		2.5	.2								
230-250		2.2	.3								
(W) 260-280		1.2	1.2								
290-310		0.7	1.5	.2							
320-340		5.3	2.3	.3							
.....											
VARIABLE											
.....											
CALM		////////////////////////////////////									
TOTALS		42.1	12.1	1.2							

TOTAL NUMBER OF OBSERVATIONS 600



FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION: 3A PERIOD OF RECORD: JUN 74 - MAY 86  
 MONTH: JUN HOURS: 21-23

SPEED IN KNOTS						TOTAL	MEAN WIND	MEDIAN WIND
20-29	30-34	35-39	40-49	50-64	65-69			
						2.3	4.5	4.0
						.5	1.7	2.0
						2.5	1.9	2.0
						5.0	4.4	4.5
						3.7	4.5	4.5
						2.2	3.4	3.0
						3.7	2.8	2.0
						1.7	2.4	2.0
						2.5	2.9	2.0
						2.3	2.2	2.0
						11.3	3.1	2.0
						5.0	4.5	4.0
						44.8		
						100.0	1.9	2.0
OBSERVATIONS						600		

OPERATING LOCATION: "A"  
USAFB AC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SUB-PAC  
FROM HOURLY OBSERVATION

STATION NUMBER: 722270

STATION NAME: DEERING AFB GA  
LST TO UTC: + 5

		WIND SPEED IN KNOTS					
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29
(OBSERVED)							
(N)	350-010	1.7	1.4	.2	.1		
	020-040	1.7	.2	.3			
	050-070	2.3	1.1	.3			
(E)	080-100	4.3	3.4	.7			
	110-130	3.6	3.0	.4	.2		
	140-160	2.4	1.6	.3			
(S)	170-190	3.6	.3				
	200-220	3.3	1.2	.3			
	230-250	3.3	1.2	.3			
(W)	260-280	4.1	3.4	.3			
	290-310	7.5	5.7	1.0	.3	.3	
	320-340	4.1	4.6	1.1	.1		
VARIABLES							
CALM		////////////////////////////////////					
TOTALS		47.7	23.1	3.6	.2		
		TOTAL NUMBER OF OBSERVATIONS 5540					

ANALYSIS OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: 61

PERIOD OF RECORD: JUN 75 - MAY 83  
MONTH: JUN HOURS: ALL

WIND SPEED IN KNOTS

20-29	30-39	40-49	50-59	60-69	TOTAL	MEAN	MEDIAN
						WIND	WIND
					3.6	5.0	4.0
					1.9	2.7	2.0
					4.0	3.6	3.0
					4.4	4.9	4.0
					7.0	4.9	4.0
					4.0	4.1	4.0
					4.5	3.2	3.0
					5.1	3.6	3.0
					6.1	3.4	3.0
					12.3	4.0	4.0
					14.5	4.9	4.0
					9.8	5.6	5.0
////////////////////					20.2	////////////////	
					100.0	3.5	4.0

SEPARATIONS: 6540

OPERATING LOCATION "AA"  
USAFETAC, ASH-VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM WINDLEY EAST WATERS

STATION NUMBER: 722270

STATION NAME: JOHNS AFB

EST TO MTC: + 5

CATEGORY A: CEILING OF 200 FT LESS THAN 1000 FEET WITH VISIBILITY OF 1/2  
MILE

VISIBILITY OF 1/2 MILE (800 METERS) OR LESS THAN 3 MILES (5

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(DEGREES)

(4) 350-010	1.0	.2						
020-040	1.0	.2						
050-070	2.0	.2						
(5) 080-100	5.0	3.2	.7					
110-130	4.0	3.0	.					
140-160	3.1	1.7						
(6) 170-190	3.4	1.2						
200-220	6.2	1.0	.2					
230-250	5.0	.5						
(7) 260-280	10.7	1.7						
290-310	5.0	3.1						
320-340	1.0	1.0	.					

VARIABLE

CALM

TOTALS 55.4 22.7 1.0

TOTAL NUMBER OF OBSERVATIONS 419

NOYAL OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM VISUAL OBSERVATIONS

STATION: SA LOCATION OF RECORD: JUN 75 - MAY 81  
MONTH: JUN HOURS: ALL

RECEIVED VISIBILITY OF 1/2 MILE (0.8 KM METERS).

RECEIVED LESS THAN 1 MILE (1.6 KM METERS) WITH CEILING OF 200 FEET.

RECEIVED IN KNOTS

0-9 10-19 20-29 30-39 40-49 50-59 60-69 70-79 80-89 90-99 TOTAL PERCENT OF DAY

0 WIND WIND

1.2 3.0 3.0

1.4 3.3 3.3

3.1 2.2 3.0

13.4 1.2 3.0

4. 4. 4.3

4.1 3.0 4.0

4.3 2.1 2.0

7.1 3.0 3.0

7.4 2.5 2.7

12.4 3.2 3.2

7.1 4.4 4.3

4.3 5.2 3.2

12.5

100.0 3.1 3.0

RECEIVED 414

OPERATING LOCATION "A"  
JSAFHTAG, ASHLEYVILLE, NC

PLACENTAGE FREQUENCY 75 100 125 150 175 200 225 250 275 300 325 350 375 400 425 450 475 500 525 550 575 600 625 650 675 700 725 750 775 800 825 850 875 900 925 950 975 1000

STATION NUMBER: 722270

STATION NAME: DODDING AFB GA  
LST TO UTC: + 5

		WIND SPEED IN KNOTS											
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59
(050-089)													
.....													
(4)	350-010												
	020-040												
	050-070		55.7										
(5)	080-100												
	110-130												
	140-160												
(5)	170-190												
	200-220												
	230-250												
(4)	260-280												
	290-310												
	320-340												
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VARIABLE													
CALC		////////////////////////////////////											
TOTALS			55.7										
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199. 2.3 3.5

444, 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFAC  
FROM DAILY OBSERVATION

STATION NUMBER: 72270

STATION NAME: JOALINS AREA GA  
LST TO UTC: + 5

		WIND SPEED IN KNOTS							
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(N) 350-010		1.1	.5						
020-040									
050-070		5.1	.4						
(E) 080-100		5.2	1.3	.7					
110-130		2.0	1.4	.4					
140-160		1.3	.4						
(S) 170-190		.7							
200-220		3.5							
230-250		3.6	.2						
(4) 260-280		11.7	1.4						
290-310		15.3	4.1						
320-340		2.2	.2						
.....									
VARIABLE									
CALM //////////////////////////////////////									
TOTALS		43.7	12.5	.6					

TOTAL NUMBER OF OBSERVATIONS 557



# FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 3A

PERIOD OF RECORD: JUN 73 - MAY 84  
 MONTH: JUL HOURS: 03-05

WIND SPEED IN KNOTS

20-24	30-34	40-39	40-49	50-54	55-59	TOTAL	MEAN WIND	MEDIAN WIND
						1.5	4.1	2.0
						3.4	2.4	2.0
						6.6	3.5	4.0
						3.8	4.7	4.0
						1.6	4.1	4.0
						.7	1.2	2.0
						2.5	2.1	2.0
						3.4	2.2	2.0
						13.1	2.9	3.0
						19.4	3.3	3.0
						3.1	3.2	3.0
////////////////////						40.4	////////	
						192.0	1.3	3.0
OBSERVATIONS						557		

OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM 4 JULY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA

LST TO UTC: + 5

	WIND SPEED IN KNOTS									
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40	
(N) 350-010	1.3	1.6								
020-040	.9									
050-070	4.0	1.1	.1							
(E) 080-100	6.7	3.5	.4							
110-130	3.1	2.2	.5							
140-160	1.5	.7								
(S) 170-190	2.3	.1								
200-220	3.0	.1								
230-250	3.0	.3	.1							
(W) 260-280	1.2	2.3								
290-310	13.2	3.0	.4							
320-340	2.6	1.0								

VARIABLE

CALM

////////////////////////////////////

TOTALS

51.6 21.6 1.6

TOTAL NUMBER OF OBSERVATIONS 926

# DENSITY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

LAKE MEAD, AZ

PERIOD OF RECORD: JUN 73 - MAY 76  
 MONTH: JUL HOURS: 06-08

WIND SPEED IN KNOTS

15-24	25-29	30-34	35-39	40-49	50-54	55-65	TOTAL	MEAN	MEDIAN
								WIND	WIND
							3.5	3.9	4.0
							4.9	2.6	2.5
							5.2	3.3	3.0
							10.5	4.2	4.0
							5.8	4.3	4.0
							2.4	4.0	4.0
							2.4	2.5	2.0
							3.1	2.4	2.0
							3.5	3.1	2.5
							11.7	3.4	3.0
							22.4	4.0	4.0
							3.3	3.5	3.0

//////////////////////////////////// 25.4 //////////////////////////////////  
 100.0 2.8 3.0

NO. OF OBSERVATIONS 926

OPERATING LOCATION "A"  
USAFETAC, ASHLVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBS AFB GA  
LST TO UTC: + 5

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(N) 350-010	1.6	1.7	.1					
020-040	1.6	.6						
050-070	3.7	1.0	.1					
(E) 080-100	4.7	5.6	1.1					
110-130	5.3	4.2	1.0					
140-160	1.4	2.2						
(S) 170-190	2.6	.9						
200-220	4.1	.6						
230-250	3.3	.3						
(W) 260-280	6.5	3.6	.4					
290-310	8.6	10.6	2.0					
320-340	4.1	7.1	.9					

VARIABLE

CALM

TOTALS

45.6 39.6 6.8

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: AFB DA

PERIOD OF RECORD: JUN 75 - MAY 76  
MONTH: JUL HOURS: 00-11

WIND SPEED IN KNOTS

0-9	10-19	20-29	30-39	40-49	50-59	60-69	TOTAL	MEAN WIND	MEDIAN WIND
							3.4	4.3	5.0
							2.0	3.4	3.0
							4.7	3.5	3.0
							11.3	5.4	5.0
							11.0	5.0	4.0
							3.5	5.0	5.0
							3.3	3.5	3.0
							4.2	2.8	3.0
							4.2	3.1	3.0
							12.5	4.3	4.0
							21.2	5.4	5.0
							13.0	5.5	5.0
////////////////////							5.5	////////////////	
							100.0	4.4	4.0

OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DEBBINS AFB GA  
LST TO UTC: + 5

DT  
MO

		WIND SPEED IN KNOTS							
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 40-
.....		.....							
(N) 350-010		1.7	2.3	.4					
020-040		2.0	.9						
050-070		3.1	1.6	.1					
(E) 080-100		2.6	3.0	1.0					
110-130		3.4	4.1	1.2					
140-160		2.4	2.4	.1					
(S) 170-190		4.6	.8						
200-220		4.5	1.9						
230-250		3.3	1.7	.1					
(W) 260-280		5.3	4.7	.6					
290-310		7.9	9.7	2.7	.1				
320-340		4.4	7.8	1.0					
.....		.....							
VARIABLE									
CALM		////////////////////							
TOTALS		45.3	42.2	7.3	.1				
		TOTAL NUMBER OF OBSERVATIONS 730							
		.....							

# ANALYSIS OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 01 PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: 12-14

WIND SPEED IN KNOTS

0-9	10-19	20-29	30-39	40-49	50-59	60-69	TOTAL	MEAN WIND	MEDIAN WIND
4.0	5.6	5.0							
2.9	3.7	3.0							
4.8	4.0	4.0							
7.3	5.7	5.0							
3.7	5.3	6.0							
4.5	4.7	5.0							
5.4	3.4	3.0							
5.5	3.4	4.0							
5.2	3.0	4.0							
11.7	4.5	3.0							
12.6	5.2	5.0							
13.2	5.4	5.0							

//////////////////// 4.0 //////////////////  
100.0 4.3 5.0

NO. OBSERVATIONS 730

OPERATING LOCATION "AA"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: CUBBINS AFB GA  
LST TO UTC: + 5

.....  
WIND SPEED IN KNOTS  
DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(DEGREES)  
.....  
(N) 360-010 1.0 2.2 .4 .1  
020-040 .4 .5 .1  
050-070 2.0 2.7  
(E) 080-100 2.5 3.3 .5 .1  
110-130 2.7 4.5 1.1  
140-160 2.0 2.7  
(S) 170-190 2.0 1.7 .1  
200-220 3.2 2.0 .1  
230-250 4.3 1.0  
(W) 260-280 7.5 4.7 1.1  
290-310 7.2 10.5 2.2 .1  
320-340 3.0 7.0 2.4 .2  
.....  
VARIABLE  
CALM //////////////////////////////////////  
TOTALS 41.4 44.5 4.0 .5 .1

TOTAL NUMBER OF OBSERVATIONS 900



# ANALYSIS OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 6A

PERIOD OF RECORD: JUN 70 - MAY 83

MONTH: JUL HOURS: 15-17

WIND SPEED IN KNOTS

20-24	25-29	30-34	35-39	40-49	50-54	55-59	TOTAL	MEAN WIND	MEDIAN WIND
							4.5	5.0	5.0
							1.2	5.5	5.0
							5.6	4.3	4.0
							7.0	5.3	6.0
							6.3	5.9	5.0
							5.6	4.7	4.0
							4.7	4.1	3.5
							5.4	4.5	4.0
							6.2	3.7	3.0
							13.3	4.0	4.0
1							20.2	5.9	6.0
							12.6	5.5	7.0

1	100.0	5.1	5.0
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WIND DIRECTION: 000

OPERATING LOCATION: "A"  
USAFETAC, ASH-VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM 4 JULY 1967 TO 20 SEP 1967

STATION NUMBER: 722270

STATION NAME: DORMING AFB GA

LST TIME UTC: + 5

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(N) 350-010	1.0	1.3	.2							
020-040	1.6	.4	.2							
050-070	5.1	1.4	.1							
(E) 080-100	3.3	3.7	.3							
110-130	2.6	3.0	.3							
140-160	3.0	1.1	.1							
(S) 170-190	4.5	.0								
200-220	4.0	1.2	.0							
230-250	3.8	.0								
(W) 260-280	11.0	1.6	.1							
290-310	11.2	5.3	.4							
320-340	4.8	5.3	.5				.1			
.....										
VARIABLE										
CALC	////////////////////////////////////									
TOTALS	55.7	25.0	2.4			.1				
.....										
TOTAL NUMBER OF OBSERVATIONS 930										
.....										

# ANALYSIS OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM 4 JULY OBSERVATIONS

STATION: 04 PERIOD OF RECORD: JUN 73 - MAY 84  
 MONTH: JUL YEARS: 13-20

SPEED IN KNOTS							TOTAL	MEAN WIND	MEDIAN WIND
0-10	10-19	20-29	30-39	40-49	50-59	60-69			
							2.6	5.7	5.0
							2.3	4.1	3.0
							0.0	3.5	3.0
							7.3	5.0	5.0
							5.0	5.3	5.0
							4.4	3.0	3.0
							5.4	2.5	2.0
							6.4	3.2	2.0
							4.5	2.3	2.0
							12.7	3.0	2.0
							12.4	4.1	4.0
							10.0	5.0	5.0
////////////////////							14.2	////////////////	
							100.0	3.0	4.0
OBSERVATIONS 930									

OPERATING LOCATION: "A"  
 USARETAC, ASH-VILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SIGNAL  
 FROM ALL-ALY OBSERVATION

STATION NUMBER: 722270

STATION NAME: JOHNS AFB, TX  
 EST. TO BIC: + 5

.....									
WIND SPEED: 1.0 KTS									
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
.....									
(N) 350-010	1.3	.3							
020-040	.3		.2						
050-070	2.2	.5	.2						
(E) 080-100	3.9	2.7	.3						
110-130	3.0	1.9	.2						
140-160	1.2	1.1							
(S) 170-190	3.4	.5							
200-220	4.7	.3							
230-250	3.9	.3							
(W) 260-280	12.9	1.3							
290-310	9.1	2.5	.7						
320-340	3.4	1.2	.3						
.....									
VARIABLE									
CALM	////////////////////////////////////								
TOTALS	50.2	13.5	1.7						
.....									
TOTAL NUMBER OF OBSERVATIONS: 823									
.....									

NOYAL OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM 100%LY OBSERVATIONS

PERIOD: JUL 7 - MAY 83  
 MONTH: JUL DAYS: 21-23

WIND SPEED IN KNOTS							TOTAL	MEAN	STANDARD
1-20	20-30	30-40	40-50	50-60	60-70	70-80			
1.5	2.9	2.0							
1.0	3.7	2.0							
3.1	3.5	2.0							
5.0	4.7	4.0							
5.1	4.2	3.0							
2.2	4.3	5.0							
4.0	1.2	5.0							
1.0	2.4	2.0							
4.2	2.2	1.0							
13.0	2.5	3.0							
12.2	3.5	3.0							
5.0	4.0	4.0							
3.3									
100.0							2.3	3.0	
OBSERVATIONS							523		

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM 100% OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBHINS AFB GA  
LST TO UTC: + 5

	WIND SPEED IN KNOTS					
DIRECTION	1-4	4-9	10-14	15-19	20-24	25-29
(OF OBSERVATIONS)	30-34	35-39	40-44	45-49	50-54	55-59
(N) 350-010	1.5	1.6	.2	.0		
020-040	1.1	.4	.1	.0		
050-070	3.6	1.3	.1			
(E) 080-100	4.1	3.6	.6	.0		
110-130	3.3	3.2	.7			
140-160	2.1	1.6	.0			
(S) 170-190	3.1	.3	.0			
200-220	4.7	1.0	.1			
230-250	4.6	.0	.0			
(O) 260-280	2.0	2.1	.4			
290-310	13.1	7.3	1.3	.0	.0	
320-340	4.6	4.7	.3	.0	.0	
VARIABLE	////////////////////					
CALM	////////////////////					
TOTALS	43.8	30.2	4.3			

TOTAL NUMBER OF OBSERVATIONS 6420

# FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 31 PERIOD OF RECORD: JUN 73 - MAY 78  
MONTH: JUL HOURS: ALL

SPEED IN KNOTS						TOTAL	MEAN WIND	MEDIAN WIND
25-29	30-34	35-39	40-44	45-49	50-54			
						3.3	5.1	5.0
						1.5	3.5	3.0
						5.0	3.7	3.0
						3.3	5.0	5.0
						7.2	4.2	5.0
						3.3	4.4	4.0
						3.0	3.3	3.0
						4.0	3.3	3.0
						4.5	3.2	3.0
						12.5	3.8	3.0
						19.7	4.5	4.0
						3.3	5.5	5.0
////////////////////						15.5	////////	////////
						100.0	3.7	4.5

HOURLY OBSERVATIONS 5820

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: OGDINS AFB GA  
LST TO UTC: + 5

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2  
400/34  
VISIBILITY GE 1/2 MILE (800 METERS) BUT LESS THAN 3 MILES (4800 METERS)

WIND SPEED IN KNOTS  
DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(DEGREES)

(N) 350-010	.2	.0		.2				
020-040	.3	.2						
050-070	5.1	4.0	.6					
(E) 080-100	6.2	10.4	1.1					
110-130	5.8	7.6	2.3					
140-160	4.5	3.7						
(S) 170-190	5.5	.8						
200-220	7.7	1.4						
230-250	4.0	.5						
(W) 260-280	5.1	1.6	.3					
290-310	4.5	2.0						
320-340	.7	1.4						

VARIABLE

CALM

TOTALS 50.5 34.4 4.4 .2

TOTAL NUMBER OF OBSERVATIONS 642



FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: ARA-0A PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: JUL HOURS: ALL

.....  
FEET WITH VISIBILITY OF 1/2 MILE (0.800 METERS).

AND BUT LESS THAN 3 MILES (4.800 METERS) WITH CEILING OF 200 FEET.

(SPEED) IN KNOTS

14	25-29	30-34	35-39	40-44	50-54	GE 55	TOTAL	MEAN	MEDIAN
							%	WIND	WIND
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
							1.1	5.9	5.0
							.5	4.7	4.0
							9.5	4.7	4.0
							17.9	5.5	5.0
							15.7	5.8	4.0
							8.3	4.5	4.0
							5.2	2.9	2.0
							9.2	2.9	3.0
							4.5	2.9	2.0
							7.9	3.7	4.0
							5.5	3.5	4.0
							2.2	5.1	5.0

.....  
//////////////////// 10.1 //////////////////  
100.0 4.1 4.0

.....  
OBSERVATIONS 642  
.....

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA

MTN

LST TO UTC: + 5

MTN

.....  
WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(DEGREES)

.....  
(N) 350-010

020-040

050-070

(E) 080-100

110-130 20.0

140-160 50.0

(S) 170-190

200-220

230-250

(A) 250-270

290-310

320-340

.....  
VARIABLE

CALM //////////////////////////////////////

TOTALS 80.0

TOTAL NUMBER OF OBSERVATIONS 5

.....

# TENDENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AREA: SA PERIOD OF RECORD: JUN 75 - MAY 88  
MONTH: AUG HOURS: 00-02

WINDS IN KNOTS

25-29	30-34	35-39	40-44	45-49	50-54	55-59	TOTAL	MEAN WIND	MEDIAN WIND
									4.0

20.0 6.0 6.0

60.0 6.3 6.0

//////////////////////////////////// 20.0 //////////////////////////////////

100.0 6.0 6.5

HOURLY OBSERVATIONS 5

OPERATING LOCATION "A"  
JSAFFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

.....  
WIND SPEED IN KNOTS  
DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39  
(DEGREES)  
.....  
(N) 350-010 .7  
020-040 .7 .4  
050-070 4.1 .7  
(E) 080-100 5.5 3.4 1.1  
110-130 3.4 1.4  
140-160 2.0 .4  
(S) 170-190 .7  
200-220 1.1  
230-250 2.0 .2  
(W) 260-280 5.5 .7  
290-310 7.7 3.6  
320-340 1.3 1.1  
.....  
VARIABLE  
CALM ///////////////////////////////////////  
TOTALS 37.8 11.9 1.1  
.....  
TOTAL NUMBER OF OBSERVATIONS 550  
.....

# NOY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 04 PERIOD OF RECORD: JUN 70 - MAY 88  
MONTH: AUG HOURS: 03-06

SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
20-24	25-29	30-34	35-39	40-44	45-49			
						.7	2.0	2.0
						1.1	4.0	3.5
						4.8	2.4	2.0
						10.0	4.6	3.5
						4.3	3.3	4.0
						2.3	3.3	3.0
						.7	1.5	1.5
						1.1	1.5	1.0
						2.1	2.3	2.0
						2.3	2.5	2.0
						11.3	3.9	4.0
						2.3	4.3	4.0
////////////////////						49.4	////////	////////
						100.0	1.4	3.0
OBSERVATIONS						550		

OPERATING LOCATION "AM"  
USAFPTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA

LST TO UTC: + 5

	WIND SPEED IN KNOTS									
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-	
(7) 350-010	1.0	.2								
020-040	1.2									
050-070	0.2	1.2								
(1) 080-100	0.5	4.3	.5	.1						
110-130	4.3	1.9								
140-160	1.1	.2								
(5) 170-190	1.7									
200-220	1.3	.1	.1							
230-250	1.7	.1								
(4) 260-280	7.4	1.2								
290-310	7.3	4.5	.2							
320-340	1.1	1.2	.1							
VARIABLE										
CALM	////////////////////									
TOTALS	43.3	15.7	.9	.1						

TOTAL NUMBER OF OBSERVATIONS 330

### TABLE 1. FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION IN VERSUS WIND SPEED FROM 100-HRLY OBSERVATIONS

954

PERIOD OF RECORD: JUN 74 - MAY 75  
MONTH: AUG HOURS: 06-08

0079 IN KNOLLS

	25-29	30-34	35-39	40-49	50-54	55-59	TOTAL %	MEAN MINO	MEDIAN MINO
1							1.2	3.0	3.0
2							1.2	2.4	2.0
3							0.3	3.4	3.0
4							13.5	4.2	3.0
5							5.2	4.0	4.0
6							2.0	2.4	2.0
7							1.7	2.1	2.0
8							1.5	2.5	2.0
9							1.1	2.1	2.0
10							3.5	3.1	3.0
11							12.7	4.2	4.0
12							3.0	3.1	3.0

[illegible]

STATISTICS 333

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM DAILY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: JOHNS AFB GA  
LST TO UTC: + 5

2 1  
M 17

		WIND SPEED IN KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
(N) 350-010		1.5	1.0	.1							
020-040		1.7	.3								
050-070		3.0	2.7	.2							
(E) 080-100		3.5	6.2	2.3							
110-130		5.3	4.0	.4							
140-160		3.4	.9								
(S) 170-190		2.3	.3								
200-220		2.4	.1								
230-250		2.7	1.0								
(W) 260-280		7.0	3.5	.3							
290-310		5.3	3.5	.4							
320-340		4.3	4.5	1.1							
.....											
VARIABLE											
CALC: //////////////////////////////////////											
TOTALS		51.5	33.7	5.2							

TOTAL NUMBER OF OBSERVATIONS 130



YEAR OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 MONTHLY OBSERVATIONS

SA

PERIOD OF RECORD: JUN 75 - MAY 86  
 MONTH: AUG HOURS: 09-11

.....								
10-19 KNOTS								
0-9	10-19	20-29	30-39	40-49	50-59	TOTAL	MEAN	MEDIAN
							WIND	WIND
.....								
						2.5	4.1	3.0
						2.0	3.2	3.0
						5.7	4.3	4.0
						17.0	5.3	4.5
						10.3	4.4	4.0
						4.3	3.4	3.0
						4.3	3.1	3.0
						3.0	2.5	3.0
						3.7	2.5	3.0
						10.3	4.2	4.0
						14.3	5.1	5.0
						10.3	5.3	5.0
.....								
////////////////////						9.5	////////////////	
						100.0	4.1	4.0

.....  
 OBSERVATIONS 030  
 .....

OPERATING LOCATION "AM"  
USAFPTAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCUR FOR DURING  
PERIOD 1 JULY 68 TO 31 JULY 68

STATION NUMBER: 722270

STATION NAME: DUBAINE AFB LA  
EST TO DIR: + 5

		WIND SPEED IN KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(N) 350-010		2.7	2.0	.1							
020-040		1.5	1.3								
050-070		2.3	1.3								
(E) 080-100		4.5	4.5	1.4	.1						
110-130		4.7	5.9	.2							
140-160		4.5	3.7	.1							
(S) 170-190		3.2	1.0								
200-220		3.4	.9	.1							
230-250		4.1	1.0	.1							
(W) 260-280		5.4	4.3								
290-310		5.1	7.5	.5							
320-340		5.4	5.4	1.4							
.....											
VARIABLE											
CALC //											
TOTALS		47.5	39.3	5.5	.1						
.....											
TOTAL NUMBER OF OBSERVATIONS 220											
.....											

WIND OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FOR SURFACE OBSERVATIONS

STATION: 32 PERIOD OF RECORD: JUL 75 - MAY 76  
 MONTH: AUG DURS: 12-14

WINDS IN KNOTS

0-24	25-29	30-34	35-39	40-49	50-54	55-59	TOTAL	MEAN	MEDIAN
							%	KNOTS	KNOTS
							4.6	4.4	4.0
							3.9	3.9	4.0
							4.1	4.3	4.0
							10.5	5.7	5.0
							11.4	5.3	5.0
							5.0	4.4	4.0
							4.1	3.5	3.0
							4.7	3.7	3.0
							5.2	3.7	3.0
							9.7	4.4	4.0
							13.2	5.4	5.0
							16.2	5.5	5.0

5.5  
 100.0 4.5 4.0

OBSERVATIONS 239

OPERATING LOCATION "A"  
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

DATE:  
MONTH:

		WIND SPEED IN KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	
(N) 350-010		1.9	1.4	1.1		.1					
020-040		3.3	.5	.1							
050-070		4.7	1.7								
(E) 080-100		3.9	4.6	.3							
110-130		5.1	5.3	.4							
140-160		4.4	2.5	.1							
(S) 170-190		4.3	1.5	.1							
200-220		3.7	2.3	.1							
230-250		4.1	.9	.1							
(W) 260-280		5.4	3.3	.9							
290-310		5.3	7.2	.5	.2						
320-340		2.7	5.5	1.5							
.....											
VARIABLE											
CALM //////////////////////////////////////											
TOTALS		49.8	38.3	5.7	.2	.1					

TOTAL NUMBER OF OBSERVATIONS 930

NOY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: SA PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: AUG HOURS: 15-17

SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
25-29	30-34	35-39	40-49	50-54	55-59	GE 60			
							4.5	6.5	5.5
							4.0	3.4	3.0
							5.5	3.7	3.0
							3.8	5.2	5.0
							11.1	5.3	5.0
							7.0	4.1	4.0
							6.2	3.9	4.0
							6.0	3.9	3.5
							5.1	3.1	2.0
							3.6	4.7	4.0
							13.2	5.4	5.0
							12.0	5.2	5.0
////////////////////							6.0	////////////////	
							100.0	4.5	4.0

OBSERVATIONS 930

OPERATING LOCATION "AW"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

PERI  
OD

		WIND SPEED IN KNOTS							
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 40-44
(N) 350-010		1.5	1.5	.1					
020-040		2.2	.2		.1				
050-070		5.7	.9	.1					
(E) 080-100		3.9	4.2	.3					
110-130		3.8	3.9	.2					
140-160		4.3	1.3	.1					
(S) 170-190		4.5	.2	.1					
200-220		5.2	.3						
230-250		4.9	.5						
(A) 260-280		5.1	1.7						
290-310		3.9	1.7	.5					
320-340		3.9	4.9	.9					
.....									
VARIABLE									
.....									
CALM		////////////////////////////////////							
TOTALS		54.5	20.9	2.4	.1				

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: 34 PERIOD OF RECORD: JUN 78 - MAY 84  
MONTH: AUG HOURS: 18-20

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
0-4	5-29	30-34	35-39	40-49	50-54	55-59			
.....	.....	.....	.....	.....	.....	.....	3.2	5.0	4.5
.....	.....	.....	.....	.....	.....	.....	2.5	3.2	2.0
.....	.....	.....	.....	.....	.....	.....	7.5	2.3	2.0
.....	.....	.....	.....	.....	.....	.....	3.4	5.1	5.0
.....	.....	.....	.....	.....	.....	.....	7.6	5.0	5.0
.....	.....	.....	.....	.....	.....	.....	5.7	3.7	3.0
.....	.....	.....	.....	.....	.....	.....	4.8	2.6	2.0
.....	.....	.....	.....	.....	.....	.....	5.9	2.3	2.0
.....	.....	.....	.....	.....	.....	.....	4.5	2.3	3.0
.....	.....	.....	.....	.....	.....	.....	7.4	3.4	3.0
.....	.....	.....	.....	.....	.....	.....	11.0	3.3	3.0
.....	.....	.....	.....	.....	.....	.....	3.7	5.5	5.0
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	22.2	3.1	4.0
.....	.....	.....	.....	.....	.....	.....	100.0	3.1	4.0

OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

PERIOD  
MONTH

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	
(N) 350-010	1.3	1.0		.2						
020-040	1.4	.2								
050-070	4.3	.2								
(E) 080-100	4.5	2.9	.3							
110-130	5.3	2.4	.3							
140-160	3.0	.3								
(S) 170-190	2.2	.2								
200-220	1.9	.2	.3							
230-250	2.4	.2	.2							
(W) 260-280	2.2	.5	.2							
290-310	5.7	1.1								
320-340	4.2	1.3	.2							
.....										
VARIABLE										
CALM	////////////////////////////////////									
TOTALS	45.9	11.1	1.5	.2						

TOTAL NUMBER OF OBSERVATIONS 624



INCIDENCE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

APR 64 PERIOD OF RECORD: JUN 73 - MAY 74  
MONTH: AUG HOURS: 21-23

SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
25-29	30-34	35-39	40-49	50-64	GE 65			
						2.9	4.8	4.0
						1.6	3.3	3.0
						4.5	2.9	2.0
						7.7	4.1	3.0
						8.0	4.5	4.0
						3.4	3.0	3.0
						2.4	2.5	2.0
						2.4	3.5	2.0
						2.7	3.2	2.0
						3.0	2.6	2.0
						7.9	3.0	2.0
						6.1	3.9	4.0

//////////////////////////////////// 41.5 //////////////////////////////////  
100.0 2.0 3.0

OBSERVATIONS 624

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DODDINS AFB GA  
LST TO UTC: + 5

PERIOD  
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	1.5	1.1	.2	.0	.0				
020-040	1.3	.4	.0	.0					
050-070	4.5	1.4	.1						
(E) 080-100	5.7	4.4	.9	.0					
110-130	4.7	3.3	.4						
140-160	3.5	1.5	.1						
(S) 170-190	3.1	.5	.0						
200-220	3.0	.7	.1						
230-250	3.1	.5	.1						
(W) 260-280	5.7	2.4	.2						
290-310	5.6	5.2	.4	.0					
320-340	3.5	4.0	1.0						
VARIABLE									
CALM	////////////////////								
TOTALS	43.1	25.1	3.5						

TOTAL NUMBER OF OBSERVATIONS 5333

NOY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

AREA: SA PERIOD OF RECORD: JUN 75 - MAY 86  
MONTH: AUG HOURS: ALL

SPEED IN KNOTS							TOTAL	MEAN	MEDIAN
25-29	30-34	35-39	40-49	50-64	65-69	70-79			
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	3.0	4.9	4.0
0	0	0	0	0	0	0	2.3	3.4	3.0
0	0	0	0	0	0	0	5.9	3.5	3.0
0	0	0	0	0	0	0	11.1	5.0	4.0
0	0	0	0	0	0	0	8.5	4.8	4.0
0	0	0	0	0	0	0	5.0	3.9	4.0
0	0	0	0	0	0	0	3.7	3.2	3.0
0	0	0	0	0	0	0	3.7	3.2	3.0
0	0	0	0	0	0	0	3.7	3.1	3.0
0	0	0	0	0	0	0	9.3	3.7	3.0
0	0	0	0	0	0	0	12.3	4.6	4.0
0	0	0	0	0	0	0	3.7	5.5	5.0
////////////////////////////////////							22.5	////////////////////////////////	
							100.0	3.3	4.0
OBSERVATIONS 5333									

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270 STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

PERIOD  
MONTH

CATEGORY A: CEILING GT 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2  
AND/OR  
VISIBILITY GE 1/2 MILE (2000 METERS) BUT LESS THAN 3 MILES (4800

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(DEGREES)

(N) 350-010 .5  
020-040 .2 .4 .2  
050-070 5.2 2.2  
(E) 080-100 10.6 9.4 2.0  
110-130 7.0 6.5 .2  
140-160 3.9 1.3  
(S) 170-190 3.4 .5 .2  
200-220 2.7 .2 .4  
230-250 1.9 .4  
(W) 260-280 5.4 1.1  
290-310 4.7 2.7 .2  
320-340 2.2 2.9 .4

VARIABLE

CALM

TOTALS

47.3 21.1 3.4 .2

TOTAL NUMBER OF OBSERVATIONS 566

# ENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AREA: SA PERIOD OF RECORD: JUN 78 - MAY 83  
MONTH: AUG HOURS: ALL

FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

5) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

SPEED IN KNOTS

4	20-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
							%	WIND	WIND
							5.5	5.3	5.0
							1.4	5.0	5.0
							7.4	3.8	3.0
							21.9	5.2	5.0
							13.7	4.5	4.0
							5.0	3.7	4.0
							4.1	3.1	2.0
							3.2	3.1	2.0
							1.5	3.3	2.0
							5.5	3.1	3.0
							7.6	4.3	4.0
							5.4	5.0	5.5

//////////////////// 21.4 //////////////////////  
100.0 2.4 4.0

OBSERVATIONS 555

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

PERIOD  
10/1/70

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
(N) 350-010	.7	.2								
020-040	1.1									
050-070	7.4	1.6								
(E) 080-100	3.7	5.9	.7							
110-130	2.3	.7	.2							
140-160	.7									
(S) 170-190	.2									
200-220	.7	.2								
230-250	.6									
(W) 260-280	5.2	.2								
290-310	0.6	2.3								
320-340	1.1	2.3	.2							
VARIABLE										
CALM	////////////////////////////////////									
TOTALS	34.3	13.8	1.1							

TOTAL NUMBER OF OBSERVATIONS 543

# PERCENTAGE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AREA 64 PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: SEP HOURS: 03-05

SPEED IN KNOTS						TOTAL	MEAN	MEDIA
25-29	30-34	35-39	40-49	50-54	GE 55	"	WIND	WIND
						.9	3.2	3.0
						1.1	1.3	1.5
						9.2	3.2	3.0
						15.3	4.3	4.0
						3.7	3.5	3.0
						.7	3.3	3.5
						.2	1.0	1.0
						.9	3.0	3.0
						.5	2.0	2.0
						5.3	2.3	2.0
						12.3	3.5	3.0
						3.3	5.3	5.5
////////////////////////////////////						45.4	////////////////////////////////	
						100.0	1.0	3.0

OBSERVATIONS 543

OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

		WIND SPEED IN KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
.....											
(N)	350-010	.3	.4								
	020-040	1.2									
	050-070	7.1	3.1	.2							
(E)	080-100	11.0	3.6	1.4	.1						
	110-130	3.0	1.7	.1							
	140-160	1.2	.1								
(S)	170-190	.9									
	200-220	.7									
	230-250	.7									
(N)	260-280	4.5	1.2								
	290-310	2.6	3.3	.1							
	320-340	1.7	1.1	.3							
.....											
VARIABLE											
CALC		////////////////////////////////////									
TOTALS		41.7	19.2	2.1	.1						



DAY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 7 JULY OBSERVATIONS

PERIOD OF RECORD: JUN 73 - MAY 74  
 MONTH: SEP HOURS: 06-08

WIND IN KNOTS						TOTAL	MEAN	MEDIAN
0-29	30-34	35-39	40-44	45-49	50-59		WIND	WIND
						1.2	4.3	4.0
						1.2	2.2	2.0
						10.4	3.7	3.0
						21.1	4.2	4.0
						4.8	4.1	4.0
						1.3	2.0	2.0
						.9	2.0	2.0
						.7	1.7	1.5
						.2	2.4	2.5
						5.3	3.3	3.0
						11.7	3.7	3.0
						3.1	4.4	4.0
						35.9		
						100.0	3.5	4.0

OPERATING LOCATION "A"  
USAF-TAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722273

STATION NAME: DODDLETS AFB GA  
LST TO UTC: + 5

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(M) 350-010	2.3	1.8	.3							
020-040	1.0	.1	.1							
050-070	4.4	4.4	.2	.1						
(E) 080-100	0.7	12.2	4.1							
110-130	7.1	5.1	1.6	.1						
140-160	3.2	1.2								
(S) 170-190	1.4	.2								
200-220	1.3	.1								
230-250	2.1	.2								
(W) 260-280	3.0	1.2								
290-310	4.0	4.4	1.0	.2						
320-340	1.3	5.5	1.0	.1						
VARIABLE										
CALC	////////////////////									
TOTALS	43.0	36.5	9.3	.5						
TOTAL NUMBER OF OBSERVATIONS 300										

SYNOPSIS OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 10 MINUTELY OBSERVATIONS

STATION: 10000 PERIOD OF RECORD: JUN 71 - MAY 81  
 MONTH: SEP HOURS: 09-11

.....								
NO. OF 10 MINUTES								
0-29	30-34	35-39	40-49	50-54	OF 55	TOTAL	MEAN	MEDIAN
						3	WIND	WIND
.....								
						4.4	4.9	4.0
						2.1	2.6	2.0
						9.9	5.3	5.0
						26.0	6.0	6.0
						13.9	5.3	4.0
						4.4	3.5	4.0
						1.7	2.9	3.0
						1.9	2.5	2.0
						2.2	2.9	2.0
						5.1	3.5	3.0
						10.5	5.4	5.0
						5.0	5.4	5.0
.....								
////////////////////////////////////						3.5	////////////////////////////////	
						100.0	4.7	5.0

.....  
 10 MINUTELY OBSERVATIONS  
 .....

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

722270  
AD-1

		WIND SPEED IN KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
(N) 350-010		2.1	2.2	.5	.1						
020-040		2.4	1.2								
050-070		4.4	3.3	.7	.1						
(E) 080-100		5.3	10.4	2.9		.1					
110-130		4.3	6.7	1.7							
140-160		2.4	2.4	.4							
(S) 170-190		3.1	1.3								
200-220		2.3	.6								
230-250		1.4	.7								
(4) 260-280		4.1	2.4								
290-310		4.2	5.0	.7	.1						
320-340		3.4	4.3	2.1	.2	.1					
.....											
VARIABLE											
CALM //////////////////////////////////////											
TOTALS		41.9	42.1	9.1	.6	.2					

TOTAL NUMBER OF OBSERVATIONS 900

MODE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

14-7-64 PERIOD OF RECORD: JUN 73 - MAY 88  
MONTH: SEP HOURS: 12-14

.....  
SPEED IN KNOTS

25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
.....	.....	.....	.....	.....	.....	5.0	5.6	5.0
.....	.....	.....	.....	.....	.....	3.7	3.6	3.0
.....	.....	.....	.....	.....	.....	9.0	5.2	5.0
.....	.....	.....	.....	.....	.....	20.2	6.1	5.0
.....	.....	.....	.....	.....	.....	12.7	5.9	5.0
.....	.....	.....	.....	.....	.....	6.7	4.9	3.0
.....	.....	.....	.....	.....	.....	4.4	3.6	3.0
.....	.....	.....	.....	.....	.....	2.9	3.4	4.0
.....	.....	.....	.....	.....	.....	2.5	3.7	3.0
.....	.....	.....	.....	.....	.....	6.6	4.0	4.0
.....	.....	.....	.....	.....	.....	11.0	5.4	5.0
.....	.....	.....	.....	.....	.....	10.3	5.7	5.0

.....  
//////////////////// 5.0 //////////////////  
100.0 5.1 5.0

.....  
OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

PERIOD  
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(N) 350-010	2.4	2.2	.4	.1				
020-040	2.7	1.1						
050-070	5.1	4.0	.1					
(E) 080-100	5.0	0.2	1.4	.1				
110-130	4.1	5.1	1.3					
140-160	2.7	2.1	.1					
(S) 170-190	4.0	1.2						
200-220	3.1	1.0						
230-250	2.3	.2						
(W) 260-280	3.3	1.5	.1					
290-310	5.0	5.5	.3	.2				
320-340	4.0	5.1	2.2	.1				
VARIABLE								
CALC	////////////////////////////////////							
TOTALS	48.9	40.4	7.3	.9				

TOTAL NUMBER OF OBSERVATIONS 900

Y. OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 24 HOURLY OBSERVATIONS

FIG. 1 PERIOD OF RECORD: JUN 75 - MAY 86  
 MONTH: SEP HOURS: 15-17

WIND IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
25-29	30-34	35-39	40-49	50-64	65-69			
						5.2	5.3	5.0
						3.2	3.5	3.0
						10.0	4.5	4.0
						15.1	5.3	5.0
						11.0	5.0	5.0
						4.7	4.5	4.0
						5.2	3.4	3.0
						4.1	3.3	3.0
						3.0	3.0	3.0
						5.4	3.7	4.0
						12.8	5.3	5.0
						12.8	5.3	5.0

//////////////////// 5.3 //////////////////////  
 100.0 4.5 5.0

Observations 999

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

NO. 1  
MENT

		WIND SPEED IN KNOTS							
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(N) 350-010		1.7	1.3	.2					
020-040		2.0	.4						
050-070		2.7	1.1	.4					
(E) 080-100		7.7	6.7	.2					
110-130		2.2	2.0	.7					
140-160		1.7	.2	.1					
(S) 170-190		2.3	.1	.1					
200-220		1.4	.2	.1					
230-250		.2	.1						
(W) 260-280		3.2	.4						
290-310		2.1	1.9	.1					
320-340		5.7	5.2	1.7					
VARIABLE									
CALM		////////////////////							
TOTALS		40.2	21.0	4.2					

TOTAL NUMBER OF OBSERVATIONS 200



Y OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION: 1000 PERIOD OF RECORD: JUN 73 - MAY 78  
 MONTH: SEP HOURS: 13-20

.....  
 10 IN KNOTS

25-29	30-34	35-39	40-44	45-49	50-54	55-59	TOTAL	MEAN	MEDIAN
								WIND	WIND
.....	.....	.....	.....	.....	.....	.....	3.2	4.7	4.0
.....	.....	.....	.....	.....	.....	.....	2.4	2.9	2.0
.....	.....	.....	.....	.....	.....	.....	11.0	3.1	2.0
.....	.....	.....	.....	.....	.....	.....	15.1	4.7	4.0
.....	.....	.....	.....	.....	.....	.....	5.6	5.2	4.0
.....	.....	.....	.....	.....	.....	.....	2.7	4.2	3.0
.....	.....	.....	.....	.....	.....	.....	2.6	2.4	2.0
.....	.....	.....	.....	.....	.....	.....	1.3	3.3	2.5
.....	.....	.....	.....	.....	.....	.....	.4	2.5	2.0
.....	.....	.....	.....	.....	.....	.....	3.7	2.2	2.0
.....	.....	.....	.....	.....	.....	.....	11.1	3.3	3.0
.....	.....	.....	.....	.....	.....	.....	13.2	5.3	5.0

.....  
 ////////////////////////////////////// 25.6 //////////////////////////////////////  
 100.0 3.0 4.0

STATISTICS 000  
 .....



OPERATING LOCATION NAME  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: COBBINS AFB GA  
LST TO UTC: + 5

PERIOD  
4/1/42

		WIND SPEED IN KNOTS							
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	2.7	1.3	.2						
020-040	2.2	.2							
050-070	5.8	1.0	.2						
(E) 080-100	5.6	4.2	1.3	.2					
110-130	3.2	1.3							
140-160	1.2	.3							
(S) 170-190	.7	.3							
200-220	1.2	.5							
230-250	1.5	.2							
(W) 260-280	2.5								
290-310	7.5	2.0	.2						
320-340	3.3	3.3	1.3						
.....									
VARIABLE									
CALM	////////////////////////////////////								
TOTALS	37.7	14.5	4.2	.2					

TOTAL NUMBER OF OBSERVATIONS 502

BY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUN 73 - MAY 85  
 MONTH: SEP HOURS: 21-23

WIND IN KNOTS						TOTAL	MEAN	MEDIAN
25-29	30-34	35-39	40-44	50-54	65-69	S	WIND	WIND
						4.2	4.0	4.0
						2.3	2.1	2.0
						7.0	3.0	2.0
						12.1	5.4	4.0
						4.5	3.7	4.0
						1.5	3.4	2.0
						1.0	4.3	4.0
						1.7	3.4	2.5
						1.7	2.7	2.0
						2.5	2.5	2.0
						2.3	3.7	3.0
						5.0	5.1	5.0

//////////////////////////////////// 43.5 //////////////////////////////////  
 100.0 2.4 3.0

OBSERVATIONS 502

OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

2001  
0001

		WIND SPEED IN KNOTS							
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(DEGREES)									
(N)	350-010	1.3	1.4	.3	.0				
	020-040	2.0	.5	.0					
	050-070	5.2	3.0	.4	.0				
(E)	080-100	3.1	3.4	2.0	.1	.0			
	110-130	4.0	3.5	.0	.0				
	140-160	2.0	1.1	.1					
(S)	170-190	2.0	.5	.0					
	200-220	1.7	.4	.0					
	230-250	1.5	.2						
(W)	260-280	3.0	1.1	.0					
	290-310	5.8	4.0	.4	.1				
	320-340	3.1	4.2	1.3	.1	.0			
VARIABLE									
CALC		////////////////////////////////////							
TOTALS		43.2	25.3	5.4	.3				

TOTAL NUMBER OF OBSERVATIONS 5649

# BY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 13 GA PERIOD OF RECORD: JUN 74 - MAY 88  
MONTH: SEP HOURS: ALL

WIND IN KNOTS						TOTAL	MEAN	MEDIAN
25-29	30-34	35-39	40-49	50-64	65-69			
						%	WIND	WIND
						3.6	4.9	4.0
						2.5	3.0	2.0
						9.7	4.1	4.0
						18.5	5.4	5.0
						4.0	5.3	5.0
						3.3	4.2	4.0
						2.5	3.2	3.0
						2.1	3.2	3.0
						1.7	3.0	3.0
						5.1	3.3	3.0
						11.3	4.4	4.0
						3.7	5.3	5.0
						22.5	4.4	4.0
						100.0	3.6	4.0

HOURLY OBSERVATIONS 5669

OPERATING LOCATION "A"  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

CATEGORY A: CEILING OF 200 BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/4  
AND/OR  
VISIBILITY OF 1/2 MILE (800 METERS) BUT LESS THAN 3 MILES (5  
KIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(7) 350-010	.3	.1							
020-040	1.7	.4							
050-070	7.0	5.7	.7						
(E) 080-100	14.3	16.6	2.4	.3					
110-130	6.7	7.0	.	.1					
140-160	3.2	1.1	.1						
(S) 170-190	2.2	.6							
200-220	.7	.6							
230-250	.7								
(4) 260-280	1.3	1.3							
290-310	2.7	1.4	.3						
320-340	1.2	1.7	.3	.6	.1				

TABLE

CALC

TOTALS 42.3 35.4 5.0 1.0 .1

TOTAL NUMBER OF OBSERVATIONS 718

1. IF THE OCCURRENCE OF EACH AND EVERY OF THE ABOVE VARIANTS AND SPOTS  
2. IS TO BE FULLY INSURABLE

DATE: 7-1-80: JUL 7 - SAT 6  
MONTH: SEP DAY: 5: ALL

1. WITH VISIBILITY OF 1/2 MILE (500 FEET).

IT LIES IN THE 3-PIECE (400 PAGES) WITH CEILING OF 200 SENT.

• • • • •

10-21 10-22 10-23 10-24 10-25 10-26 10-27 10-28 10-29 10-30 10-31 11-1 11-2 11-3 11-4 11-5 11-6 11-7 11-8 11-9 11-10 11-11 11-12 11-13 11-14 11-15 11-16 11-17 11-18 11-19 11-20 11-21 11-22 11-23 11-24 11-25 11-26 11-27 11-28 11-29 11-30 12-1 12-2 12-3 12-4 12-5 12-6 12-7 12-8 12-9 12-10 12-11 12-12 12-13 12-14 12-15 12-16 12-17 12-18 12-19 12-20 12-21 12-22 12-23 12-24 12-25 12-26 12-27 12-28 12-29 12-30 12-31

440 440

• • • • •

2. 3. 4.

23.4      4.      4.7

[illegible]

2. 4. 7      5. 3      6. 2

4. 5. 3. 6. 3.

2. 2. 2. 2. 2.

[illegible]

• 7      2      2

4.1      4.1      4.2

3. 3. 3. 3. 3.

5. 6. 7.

14. //

100.0      4.4      5.0

111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

OPERATING LOCATION "A"  
USAFITAC, ASHTVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE DURING  
FROM JULY 1964 TO 1965

STATION NUMBER: 722170

STATION NAME: DWS INS AREA 2A

LST TO UTC: + 5

		WIND SPEED IN KNOTS							
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(N) 350-010		1.5	.2						
020-040		.7							
050-070		3.5	.7	.2					
(E) 080-100		5.7	5.9	1.7	.2	.2			
110-130		2.7	1.7	.2					
140-160		.7	.4						
(S) 170-190		1.5		.2					
200-220		.7							
230-250		1.7	.2						
(W) 260-280		6.4	1.1						
290-310		6.7	5.2	.7					
320-340		.2	3.3	2.2					
.....									
VARIABLE									
CALM //////////////////////////////////////									
TOTALS		29.5	10.9	5.2	.2	.2			
.....									
TOTAL NUMBER OF OBSERVATIONS 641									
.....									



# FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 78 - MAY 83  
 MONTH: OCT HOURS: 03-05

DIRECTION IN KNOTS

15-22	30-36	37-43	44-49	50-56	57-63	TOTAL	MEAN	MEDIAN
						%	WIND	WIND
						1.7	3.2	2.0
						.7	2.0	2.0
						4.4	3.5	2.0
						13.7	5.9	5.0
						3.9	5.0	4.0
						.9	4.4	3.0
						1.0	3.7	3.5
						.7	3.5	4.0
						1.0	2.7	2.0
						5.8	3.3	3.0
						12.5	4.9	4.0
						6.5	7.7	6.0

////////////////////////////////////// 45.0 //////////////////////////////////

100.0 2.7 4.0

OBSERVATIONS 941

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM HOURLY OBSERVATION

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(N) 350-010	1.7	.3								
020-040	.9									
050-070	4.8	1.0	.3							
(E) 080-100	7.0	7.4	2.5	.4	.1					
110-130	2.4	1.3	.2							
140-160	1.3	.5								
(S) 170-190	1.0	.1								
200-220	.8	.4								
230-250	1.7	.2								
(W) 260-280	4.5	1.5	.2							
290-310	5.3	5.5	.3							
320-340	1.5	3.5	1.5	.2						

VARIABLE

CALC

TOTALS

23.0 22.6 5.7 .6 .1

TOTAL NUMBER OF OBSERVATIONS 230

CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUN 75 - MAY 86  
MONTH: OCT HOURS: 06-08

WIND IN KNOTS

24-29	30-34	35-39	40-49	50-54	55-59	TOTAL	MEAN	MEDIAN
						%	WIND	WIND
						2.0	3.3	3.0
						.7	2.3	2.0
						7.1	4.0	3.0
						17.4	5.0	5.0
						4.0	4.7	4.0
						1.7	3.2	3.0
						1.1	2.5	2.0
						1.2	3.5	3.0
						1.7	2.7	2.0
						6.3	3.3	3.0
						11.6	5.1	5.0
						5.3	7.3	6.0

//////////////////// 27.1 //////////////////

100.0 3.1 4.0

AT 0000Z 1985 43.0

OPERATING LOCATION "A"  
USAFPTAC, ASHTVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: WOODS AIR BN

LST TO UTC: + 5

0014  
0017

		WIND SPEED IN KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(N)	350-010	1.7	1.6	1.2	.2						
	020-040	.9	.3								
	050-070	2.9	2.5	.3							
(E)	080-100	9.4	10.2	4.9	.5	.4					
	110-130	7.4	6.2	1.7							
	140-160	2.2	1.7								
(S)	170-190	2.2	.3	.1							
	200-220	2.5	.3	.2	.1						
	230-250	1.3	1.3								
(W)	260-280	4.9	3.6	.5	.2						
	290-310	3.4	5.6	.3	.1						
	320-340	2.2	5.1	2.9	.3						
.....											
VARIABLE											
CALC //											
TOTALS		39.3	39.2	12.5	1.5	.4					

TOTAL NUMBER OF OBSERVATIONS 130

CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION: PERIOD OF RECORD: JUN 75 - MAY 86  
MONTH: JUL HOURS: 09-11

WIND SPEED IN KNOTS

05-29	30-34	35-39	40-49	50-64	65-69	TOTAL	MEAN	MEDIAN
						%	WIND	WIND
						4.7	5.9	5.0
						1.2	2.5	3.0
						5.0	4.2	4.0
						24.5	5.0	5.0
						15.4	5.5	5.0
						5.9	4.1	3.0
						2.6	3.5	3.0
						3.6	4.5	3.0
						2.3	3.2	4.0
						9.4	5.1	4.0
						19.9	6.0	5.0
						10.0	7.5	7.0

//////////////////// 5.2 //////////////////  
100.0 5.5 5.0

OBSERVATIONS 939

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

1961  
MAY

		WIND SPEED IN KNOTS							
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-49
(N) 350-010		1.2	1.9	.3	.1	.1			
020-040		1.6	.4						
050-070		3.2	3.3	.5					
(E) 080-100		4.4	7.2	4.4	.5				
110-130		5.3	6.6	1.2	.2				
140-160		4.0	4.2	.1					
(S) 170-190		3.4	1.6	.1					
200-220		2.7	1.7	.2					
230-250		2.7	1.5	.1					
(W) 260-280		3.2	4.5	1.2					
290-310		2.5	5.4	3.2	.4				
320-340		2.0	5.1	5.1	.5				
.....									
VARIABLE									
CALC: //////////////////////////////////////									
TOTALS		35.5	44.0	14.3	1.7	.1			

TOTAL NUMBER OF OBSERVATIONS 930

CY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STA GA PERIOD OF RECORD: JUN 73 - MAY 88  
 MONTH: OCT HOURS: 12-14

SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
25-29	30-34	35-39	40-44	50-54	GE 55			
						3.7	6.2	5.0
						2.0	3.1	2.0
						6.2	5.2	5.0
						15.6	7.2	7.0
						13.0	5.5	5.0
						3.3	4.5	5.0
						4.9	4.2	3.5
						4.7	5.4	4.0
						3.5	4.0	3.0
						9.8	5.1	5.0
						12.3	8.0	5.0
						11.3	7.3	5.0
						3.4		
						100.0	5.2	5.0

OBSERVATIONS 230

OPERATING LOCATION "A"  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SHEARED AT  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

PAGE  
101

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(N) 350-010	1.3	1.4	.5							
020-040	2.2	.4								
050-070	3.3	2.4	.3							
(E) 080-100	5.1	5.1	3.1	.1						
110-130	5.1	5.0	1.0							
140-160	3.3	1.2	.1							
(S) 170-190	3.1	1.5								
200-220	2.5	2.0	.2							
230-250	2.4	1.1	.2							
(W) 260-280	3.0	3.7	1.2	.3						
290-310	4.7	3.5	2.7							
320-340	2.3	2.1	1.2	.5						
VARIABLE										
CALM	////////////////////									
TOTALS	30.4	41.5	13.5	1.0						

TOTAL NUMBER OF OBSERVATIONS 330



Y OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FOR DAILY OBSERVATIONS

034 PERIOD OF RECORD: JUN 75 - MAY 81  
 MONTH: OCT HOURS: 15-17

WIND IN KNOTS						TOTAL Σ	MEAN WIND	MEDIAN WIND
20-24	30-34	35-39	40-44	50-54	55-59			
						3.2	5.7	5.0
						2.5	3.3	3.0
						5.2	4.4	4.0
						15.3	5.4	5.0
						12.0	5.4	5.0
						4.5	3.7	3.0
						4.5	3.5	4.0
						4.3	4.5	4.0
						3.7	4.3	4.0
						4.2	5.5	5.0
						15.0	5.5	7.0
						12.7	3.1	5.0
////////////////////						4.1	////////////////	
						105.0	5.5	5.0

034 MONTH: OCT

OPERATING LOCATION: WAW  
USAFSTAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722273

STATION NAME: DODD-FIS AFB GA  
LST TO UTC: + 5

		WIND SPEED IN KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(0) 350-010		.4	1.3	.2							
020-040		.9									
050-070		3.4	.9	.2							
(E) 080-100		7.1	5.4	2.3	.3						
110-130		2.3	2.6	.6							
140-160		.4	.3								
(S) 170-190		.9	.1								
200-220		.9	.1								
230-250		1.5	.1	.1							
(W) 260-280		7.2	.9								
290-310		.7	4.3	.3							
320-340		3.1	5.1	1.5	.1						
TOTALS		27.2	21.1	5.1	.4						

ADDITIONAL

CALC

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TOTAL NUMBER OF OBSERVATIONS: 130

THE OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

34 PERIOD OF RECORD: JUN 71 - MAY 78  
 MONTH: OCT DATES: 12-20

WIND SPEED IN KNOTS						TOTAL "	MEAN WIND	MEDIAN WIND
0-20	30-34	35-39	40-49	50-54	55-59			
.....	.....	.....	.....	.....	.....	1.9	6.3	5.0
.....	.....	.....	.....	.....	.....	.9	2.1	2.0
.....	.....	.....	.....	.....	.....	4.6	3.4	2.0
.....	.....	.....	.....	.....	.....	15.1	5.3	5.0
.....	.....	.....	.....	.....	.....	5.9	5.1	5.0
.....	.....	.....	.....	.....	.....	1.2	3.4	3.0
.....	.....	.....	.....	.....	.....	1.0	2.4	2.0
.....	.....	.....	.....	.....	.....	1.0	2.1	2.0
.....	.....	.....	.....	.....	.....	1.7	3.1	2.0
.....	.....	.....	.....	.....	.....	5.1	2.5	2.0
.....	.....	.....	.....	.....	.....	13.3	4.2	4.0
.....	.....	.....	.....	.....	.....	7.1	5.3	5.0

//////////////////////////////////// 35.7 //////////////////////////////////  
 100.0 3.0 4.0

CONTINUED

OPERATING LOCATION "A"  
USAFAC, ASH-VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM JULY 15 TO 21 1967

STATION NUMBER: 722270

STATION NAME: DEERINS AREA 04  
LST TO UTC: + 5

4 1 1  
4 1 1

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(H) 350-010	.2	1.4								
020-040	.6	.2								
050-070	2.1	.3								
(S) 080-110	2.0	5.9	3.2	.9						
110-130	1.4	1.7	.8	.2						
140-160	1.2	.2								
(S) 170-190	.6									
200-220	.3									
230-250	.2									
(W) 260-280	1.0	.9								
290-310	.2	5.9	.2							
320-340	1.4	5.9	1.1							
TOTALS	2.2	22.2	9.2	1.1						
TOTAL TO BE USED FOR STATISTICS										

41214: 101 41215: 21-23

1-17	21-24	27-32	33-40	41-54	55-65	TOTAL	PERCENT	PERCENT
							OF 100	OF 100
.....						2.3	4.7	5.0
						.5	2.2	2.0
						2.0	4.0	9.0
						15.0	6.2	6.0
						3.4	6.5	7.0
						1.4	2.7	2.0
						.6	2.0	1.5
						.3	3.5	3.5
						.1	2.0	2.2
						6.5	2.4	3.0
						12.0	4.0	4.0
						.1	3.5	7.0

170.0      2.3      4.7

**RECEIVED**

OPERATING LOCATION "A"  
USAFETAC, ASSEVILLE, NC

PLACENTIA FREQUENCY OF 100.19-100.30 MHz  
FROM 100.19-100.30 MHz

STATION NUMBER: 702070

STATION NAME: 100.19-100.30 MHz  
LST TO UTC: + 5

		WIND SPEED IN KNOTS				
DIRECTION		1-4	5-9	10-14	15-19	20-24
(OBSERVATIONS)						
(N)	350-010	1.2	1.2	.4	.1	.0
	020-040	1.1	.2			
	050-070	3.4	1.0	.2		
(E)	080-100	1.2	7.4	3.2	.4	.1
	110-130	4.2	3.3	.2	.1	
	140-160	2.1	1.3	.2		
(S)	170-190	1.2	.5	.1		
	200-220	1.6	.5	.1	.0	
	230-250	1.7	.5	.1		
(W)	260-280	4.7	2.5	.5	.1	
	290-310	2.4	3.5	1.5	.1	
	320-340	2.1	4.9	2.4	.2	
VARIABLE						
CALC						
TOTALS		35.3	30.8	9.4	1.1	.1

TOTAL NUMBER OF OBSERVATIONS 5765

DATE: 10-10-77  
 DAY: MON  
 MONTH: OCT  
 YEAR: 1977  
 HOURS: ALL

OPERATING LOCATION: MAW  
USAFETAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
WIND DURING 1150-1700

STATION NUMBER: 722270

STATION NAME: WINDSAIL AIR-104  
LST TO UTC: + 5

CATEGORY A: DRIFTING 5-200 FEET LESS THAN 1500 FEET WITH VISIBILITY 1/2 MILE  
OR MORE  
VISIBILITY 5/8 MILE (0.625 MILES) BUT LESS THAN 3 MILE (3.125 MILES)

WIND SPEED IN KNOTS  
DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(DEGREES)

(4) 350-010	1.4	.5						
020-040	1.4							
050-070	3.7	3.5	.7					
(1) 080-100	7.5	19.2	11.1	1.2				
110-130	3.7	5.4	1.4	.1				
140-160	2.2	2.1						
(5) 170-190	2.5	.1	.1					
200-220	2.1	.5						
230-250	1.2	.5						
(4) 260-280	2.9	1.5	.2					
290-310	3.2	3.1	1.1					
320-340	1.2	1.5	2.4	.1				

VARIABLE

CALM

////////////////////////////////////

TOTALS

32.3 38.7 17.4 1.4

TOTAL NUMBER OF OBSERVATIONS 102



RECORDED SURFACE WIND DIRECTION VERSUS WIND SPEED  
 ONLY OBSERVATIONS

PERIOD OF RECORD: JUL 75 - MAY 86  
 MONTH: OCT HOURS: ALL

WIND VISIBILITY 3 1/2 MILE (5800 METERS).

AT LESS THAN 3 MILES (4800 METERS) WITH CEILING 60 200 FEET.

IN KNOTS

0-19	20-29	30-39	40-49	50-59	60-69	TOTAL	MEAN	MEDIAN
							WIND	WIND
						2.0	3.8	4.0
						1.5	2.0	2.0
						4.0	6.2	6.0
						39.5	7.0	7.0
						11.0	6.2	6.0
						4.4	4.3	4.0
						2.7	2.3	2.0
						2.7	3.6	3.5
						1.7	3.4	2.5
						4.1	3.0	3.0
						7.2	5.0	5.0
						5.1	6.0	6.0

9.4  
 100.0 5.7 5.0

OBSERVATIONS 202

OPERATING LOCATION: WAM  
USAFETAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRING GUSTS  
FROM DAILY OBSERVATION

STATION NUMBER: 722270

STATION NAME: DODGING AFB, GA  
LST TO UTC: + 5

.....  
WIND 00-10 14 KNOTS  
DIRECTION: 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44  
(DEGREES)  
.....  
(N) 350-010  
020-040  
050-070  
(S) 080-100 11.3 23.6 17.6  
110-130 5.7 5.7  
140-160 5.4  
(G) 170-190  
200-220  
230-250  
(4) 260-280  
290-310  
320-340  
.....  
VARIABLE  
CALM //////////////////////////////////////  
TOTALS 17.7 35.3 17.6  
.....  
TOTAL NUMBER OF OBSERVATIONS 17  
.....

1 OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 2 DAILY OBSERVATIONS

PERIOD OF RECORD: JUN 71 - MAY 72  
 MONTH: NOV HOURS: 00-02

.....  
 IN KNOTS  
 30-34 35-39 40-44 45-49 50-54 55-59 TOTAL MEAN MEDIAN  
 WIND WIND WIND  
 .....  
 5.0

82.0 6.1 7.0

11.1 4.0 4.0

6.4 6.0 6.0

.....  
 ////////////////////////////////// 29.4 //////////////////////////////////  
 100.0 5.2 5.0

OBSERVATIONS 17  
 .....

OPERATING LOCATION "A"  
 DEARBORN, MICHIGAN

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
 EACH SPEED OBSERVATION

STATION NUMBER: 702270

STATION NAME: DEARBORN, MI  
 EST TO UTC: + 5

MILE SPEED IN MPH									
SECTION (SPEEDS)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(4) 350-360	1.1	.4							
370-380	1.1	.4							
390-400	2.7	.4							
(5) 410-420	6.7	7.7	1.7	.4					
430-440	6.7	1.1		.4					
450-460	.4	1.1	.7						
(5) 470-480	1.4	.4							
490-500	1.4	.7							
510-520	1.7								
(4) 530-540	4.3	1.4							
550-560	6.7	6.7	2.1	.4					
570-580	.7	2.4	3.2	.4					

VARIABLE

CALC //

TOTALS 33.7 21.1 7.2 1.4

TOTAL NUMBER OF OBSERVATIONS 212

# Y OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED (ANALYSIS OF OBSERVATIONS)

1A

PERIOD OF RECORD: JUN 71 - MAY 72  
 MONTH: NOV YEARS: 03-05

WIND SPEED UNITS

01-02	03-04	05-06	07-08	09-10	11-12	TOTAL	MEAN	MEDIAN
						1	41.0	41.0
						1.4	3.3	3.0
						1.4	3.3	3.0
						3.2	3.2	2.0
						14.5	5.3	5.0
						5.5	5.5	4.0
						2.1	2.1	1.0
						1.7	3.3	4.0
						2.1	3.3	4.0
						1.7	2.4	2.0
						5.7	3.5	3.0
						17.7	5.4	5.0
						7.1	5.0	4.0

//////////////////// 26.2 //////////////////////  
 100.0 3.5 4.0

REMARKS 212

OPERATING LOCATION NAME  
USA-ETAG, 273 VILLAGE

DATE MADE BY AGENCY: 11/25/1964  
TIME: 10:00 AM

STATION NUMBER: 72273

STATION NAME: LEXINGTON

EST. DATE: 1/6

4120 SP. TH. 12 - 4.11.15									
HEIGHTS (METERS)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(1) 350-310	.4	.2	.2						
320-340	.7	.2	.1						
290-370	1.1	.9	.2						
(2) 280-100	1.3	2.2	1.3						
110-140	3.0	2.7	.9	.1					
140-150	.3	1.3	.2						
(3) 170-140	1.1	.2							
200-220	1.1	.1							
230-250	1.2	.5							
(4) 260-230	3.2	1.2							
200-310	2.	2.2	1.3						
320-340	1.2	2.7	.1	.9	.1				
.....									
VARIA T									
CALC	////////////////////////////////////								
TOTALS	32.0	24.8	3.2	.4	.1				
TOTAL GROUP OF 347 VARIANTS 200									
.....									

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

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— 19 —

DECLASSIFIED BY: JN0167 DATE: 08-09-2001  
REASON: 25X(1) DCD

STATION ID : 000000000000  
LBI TO JTC : +

| PI-1001104<br>(70, 25-15) | 1-4 | 3-4 | 12-14 | 13-14 | 20-24 | 25-27 | 31-34 | 32-33 | 34-35 |
|---------------------------|-----|-----|-------|-------|-------|-------|-------|-------|-------|
| (1) 350-410               | 1.0 | .4  | .4    | .1    |       |       |       |       |       |
| 620-640                   | .5  | .4  |       |       |       |       |       |       |       |
| 750-870                   | 2.7 | 2.7 | .7    |       |       |       |       |       |       |
| (2) 980-100               | 7.2 | 3.1 | 2.9   | .     |       |       |       |       |       |
| 110-120                   | 1.5 | 5.6 | 1.7   | .4    |       |       |       |       |       |
| 140-160                   | 1.2 | 2.4 | .9    |       |       |       |       |       |       |
| (7) 170-190               | 1.4 | 1.1 | .2    |       |       |       |       |       |       |
| 200-220                   | 1.4 | 1.4 | .1    |       |       |       |       |       |       |
| 230-250                   | 2.4 | 1.7 | .1    |       |       |       |       |       |       |
| (4) 260-280               | 2.7 | 1.7 | .5    |       |       |       |       |       |       |
| 300-310                   | 3.2 | 3.3 | 3.4   | .7    | .1    |       |       |       |       |
| 320-340                   | 1.2 | 3.2 | 3.1   | 1.1   | .2    |       |       |       |       |

03L'4

• • •

1 JUL 1994 12:00 UTC - 50N/50E/1147



DATE: JUN 7 1964  
TIME: 09-11

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//////////////////////////////////// 11.2 ///////////////////////////////////
                                     100.0    5.7    5.0

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[illegible]

OPERATING LOCATION "AA"  
USAFOTAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFAC  
FROM 4,000 TO 5,000 FEET

STATION NUMBER: 702270

STATION NAME: CORPINS AFB GA  
LST TO UTC: + 5

|   |  | WIND SPEED IN KNOTS |      |       |       |       |       |       |       |       |       |
|---|--|---------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| DIRECTION<br>(DEGREES)                      |  | 1-4                 | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| (N) 350-010                                 |  | 1.0                 | 1.2  | .7    | .2    |       |       |       |       |       |       |
| 020-040                                     |  | 1.3                 | .3   |       |       |       |       |       |       |       |       |
| 050-070                                     |  | 2.6                 | 1.0  | .3    |       |       |       |       |       |       |       |
| (E) 080-100                                 |  | 4.0                 | 5.7  | 2.1   |       |       |       |       |       |       |       |
| 110-130                                     |  | 4.7                 | 5.3  | 1.7   |       |       |       |       |       |       |       |
| 140-160                                     |  | 3.1                 | 4.7  | 1.4   |       |       |       |       |       |       |       |
| (S) 170-190                                 |  | 2.0                 | 2.1  | .4    |       |       |       |       |       |       |       |
| 200-220                                     |  | 2.1                 | 1.7  | .4    |       |       |       |       |       |       |       |
| 230-250                                     |  | 2.4                 | 2.7  | .2    |       |       |       |       |       |       |       |
| (W) 260-280                                 |  | 2.2                 | 2.9  | .7    | .2    |       |       |       |       |       |       |
| 290-310                                     |  | 3.2                 | 3.1  | 4.2   | .4    |       |       |       |       |       |       |
| 320-340                                     |  | 1.3                 | 5.3  | 4.3   | 1.3   | .1    |       |       |       |       |       |
| .....                                       |  |                     |      |       |       |       |       |       |       |       |       |
| VARIABLE                                    |  |                     |      |       |       |       |       |       |       |       |       |
| CALM ////////////////////////////////////// |  |                     |      |       |       |       |       |       |       |       |       |
| TOTALS                                      |  | 30.9                | 44.9 | 17.9  | 2.1   | .1    |       |       |       |       |       |

TOTAL NUMBER OF OBSERVATIONS 600

PERIOD: 12-14-68: JUN 7 - MAY 83  
MOTIV: ADV DATES: 12-14

| 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | TOTAL | SEAN<br>WIND | MEDIAN<br>WIND |
|-------|-------|-------|-------|-------|-------|--------------|----------------|
|       |       |       |       |       | 3.1   | 7.5          | 3.0            |
|       |       |       |       |       | 2.1   | 3.3          | 3.0            |
|       |       |       |       |       | 4.7   | 4.3          | 4.0            |
|       |       |       |       |       | 12.2  | 5.4          | 5.0            |
|       |       |       |       |       | 12.7  | 5.7          | 5.0            |
|       |       |       |       |       | 4.2   | 5.3          | 5.0            |
|       |       |       |       |       | 4.6   | 5.5          | 5.0            |
|       |       |       |       |       | 4.2   | 5.2          | 4.5            |
|       |       |       |       |       | 5.3   | 5.1          | 5.0            |
|       |       |       |       |       | 5.2   | 5.2          | 5.0            |
|       |       |       |       |       | 15.3  | 7.7          | 7.0            |
|       |       |       |       |       | 13.9  | 9.0          | 9.0            |

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//////////////////////////////////// 4.3 ///////////////////////////////////
                                     100.0    5.3    5.0

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100,000,000 000

OPERATING LOCATION "A"  
USAF TAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACED  
FROM 100%LY AND AVERAGE

STATION NUMBER: 722070

STATION NAME: JOHNS AFB GA  
LST TO DTC: + 5

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS |     |       |       |       |       |       |       |
|------------------------|---------------------|-----|-------|-------|-------|-------|-------|-------|
|                        | 1-4                 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 |
| (N) 350-010            | 1.1                 | .3  | .1    |       |       |       |       |       |
| 020-040                | 1.3                 | .4  |       |       |       |       |       |       |
| 050-070                | 1.7                 | 1.3 |       |       |       |       |       |       |
| (E) 080-100            | 3.2                 | 7.0 | 2.2   |       |       |       |       |       |
| 110-130                | 4.3                 | 5.2 | 1.7   |       |       |       |       |       |
| 140-160                | 3.0                 | 5.3 | 1.1   |       |       |       |       |       |
| (S) 170-190            | 2.7                 | 2.1 | .2    |       |       |       |       |       |
| 200-220                | 1.2                 | 1.9 | .2    |       |       |       |       |       |
| 230-250                | 2.2                 | 1.3 |       |       |       |       |       |       |
| (W) 260-280            | 2.3                 | 2.7 | .2    |       |       |       |       |       |
| 290-310                | 2.3                 | 2.9 | 4.7   | .9    |       |       |       |       |
| 320-340                | 2.4                 | 5.1 | 4.5   | .7    | .3    |       |       |       |

.....  
VARIABLE

CALC

////////////////////////////////////

TOTALS

22.5 44.5 13.4 1.9 .3

TOTAL NUMBER OF OBSERVATIONS 900

# INDEX OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AREA: GA PERIOD OF RECORD: JUL 74 - MAY 78  
MONTH: NOV HOURS: 16-17

| SPEED IN KNOTS       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| 24-27                | 30-34 | 35-39 | 40-43 | 44-54 | 55-65 |            |              |                |
|                      |       |       |       |       |       | 2.0        | 4.6          | 4.0            |
|                      |       |       |       |       |       | 1.8        | 3.6          | 3.6            |
|                      |       |       |       |       |       | 3.2        | 4.2          | 4.0            |
|                      |       |       |       |       |       | 12.4       | 6.7          | 7.0            |
|                      |       |       |       |       |       | 11.2       | 5.0          | 6.0            |
|                      |       |       |       |       |       | 10.6       | 5.0          | 5.0            |
|                      |       |       |       |       |       | 6.0        | 4.5          | 4.0            |
|                      |       |       |       |       |       | 3.2        | 5.0          | 5.0            |
|                      |       |       |       |       |       | 3.7        | 3.2          | 4.0            |
|                      |       |       |       |       |       | 5.6        | 5.4          | 5.0            |
|                      |       |       |       |       |       | 18.2       | 7.3          | 7.0            |
|                      |       |       |       |       |       | 14.1       | 4.5          | 4.0            |
| //////////////////// |       |       |       |       |       | 7.3        | ////////     | ////////       |
|                      |       |       |       |       |       | 100.0      | 5.9          | 5.0            |

OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFHAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| (N) 350-010            | 1.0                                  | .2   | .4    |       |       |       |       |       |       |       |
| 020-040                | 1.1                                  | .1   |       |       |       |       |       |       |       |       |
| 050-070                | 2.1                                  | 1.1  | .3    |       |       |       |       |       |       |       |
| (E) 080-100            | 3.0                                  | 5.9  | 1.0   |       |       |       |       |       |       |       |
| 110-130                | 4.0                                  | 4.1  | .9    | .1    |       |       |       |       |       |       |
| 140-160                | 2.2                                  | .9   | .7    |       |       |       |       |       |       |       |
| (S) 170-190            | 2.1                                  | .4   | .1    |       |       |       |       |       |       |       |
| 200-220                | 1.1                                  | .3   |       |       |       |       |       |       |       |       |
| 230-250                | .5                                   | .1   |       |       |       |       |       |       |       |       |
| (W) 260-280            | 3.2                                  | 1.1  | .1    |       |       |       |       |       |       |       |
| 290-310                | 7.1                                  | 7.3  | 2.2   | .4    |       |       |       |       |       |       |
| 320-340                | 3.3                                  | 5.5  | 3.7   | .2    |       |       |       |       |       |       |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |
| CALC                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |
| TOTALS                 | 31.7                                 | 27.3 | 9.4   | .7    |       |       |       |       |       |       |

TOTAL NUMBER OF OBSERVATIONS 200

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

AFW 04 PERIOD OF RECORD: JUN 73 - MAY 84  
MONTH: NOV HOURS: 18-20

| SPEED IN KNOTS       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND     | MEDIAN<br>WIND |
|----------------------|-------|-------|-------|-------|-------|------------|------------------|----------------|
| 0-29                 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |                  |                |
|                      |       |       |       |       |       | 1.7        | 5.2              | 4.0            |
|                      |       |       |       |       |       | 1.2        | 3.1              | 2.0            |
|                      |       |       |       |       |       | 3.5        | 4.4              | 4.0            |
|                      |       |       |       |       |       | 10.8       | 5.3              | 5.0            |
|                      |       |       |       |       |       | 9.1        | 5.5              | 5.0            |
|                      |       |       |       |       |       | 3.5        | 4.9              | 4.0            |
|                      |       |       |       |       |       | 2.7        | 3.2              | 2.0            |
|                      |       |       |       |       |       | 1.4        | 2.3              | 2.0            |
|                      |       |       |       |       |       | .7         | 2.3              | 2.5            |
|                      |       |       |       |       |       | 4.4        | 3.5              | 3.0            |
|                      |       |       |       |       |       | 17.1       | 5.3              | 5.0            |
|                      |       |       |       |       |       | 13.0       | 7.0              | 6.0            |
| //////////////////// |       |       |       |       |       | 30.5       | //////////////// |                |
|                      |       |       |       |       |       | 100.0      | 3.3              | 5.0            |

OBSERVATIONS 200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 |
| (N) 350-010            | .3                                   | .4   |       |       |       |       |       |       |
| 020-040                | 1.0                                  | .1   |       |       |       |       |       |       |
| 050-070                | 1.3                                  | .4   | .2    | .1    |       |       |       |       |
| (E) 080-100            | 3.5                                  | 5.1  | 1.2   | .1    |       |       |       |       |
| 110-130                | 2.3                                  | 4.1  | 1.1   | .5    |       |       |       |       |
| 140-160                | 1.7                                  | .0   | .2    |       |       |       |       |       |
| (S) 170-190            | 1.5                                  | .6   | .2    |       |       |       |       |       |
| 200-220                | 1.1                                  | .2   | .1    |       |       |       |       |       |
| 230-250                | 1.0                                  | .1   |       |       |       |       |       |       |
| (4) 260-280            | 4.3                                  | .5   |       |       |       |       |       |       |
| 290-310                | 5.4                                  | 5.3  | 1.3   | .2    |       |       |       |       |
| 320-340                | 1.5                                  | 5.2  | 4.1   | .5    | .5    |       |       |       |
| VARIABLE               |                                      |      |       |       |       |       |       |       |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |
| TOTALS                 | 27.2                                 | 23.5 | 9.0   | 1.5   | .3    |       |       |       |

TOTAL NUMBER OF OBSERVATIONS 990



### Y. F. OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

DATE: NOV 1978 PAGES: 21-23

REF ID: A4715

|       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|-------|------------|--------------|----------------|
| ..... | 1.2        | 4.8          | 4.0            |
|       | 1.1        | 3.1          | 3.0            |
|       | 2.1        | 6.2          | 4.0            |
|       | 10.5       | 6.5          | 6.0            |
|       | 7.1        | 5.5          | 7.0            |
|       | 2.3        | 4.6          | 4.0            |
|       | 2.3        | 3.9          | 2.0            |
|       | 1.4        | 3.6          | 3.0            |
|       | 1.1        | 2.3          | 2.0            |
|       | 5.5        | 3.1          | 3.0            |
|       | 13.7       | 5.4          | 5.0            |
|       | 11.5       | 3.7          | 5.0            |

|                                      |       |                                      |
|--------------------------------------|-------|--------------------------------------|
| //////////////////////////////////// | 33.5  | //////////////////////////////////// |
|                                      | 100.0 | 3.7 5.0                              |

REVIEWS 409

OPERATING LOCATION "A"  
USAF TAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

|                        |  | WIND SPEED IN KNOTS                  |      |       |       |       |       |
|------------------------|--|--------------------------------------|------|-------|-------|-------|-------|
| DIRECTION<br>(DEGREES) |  | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 |
|                        |  |                                      |      |       |       | 30-34 | 35-39 |
| (N) 350-010            |  | 1.0                                  | .5   | .3    | .1    |       |       |
| 020-040                |  | 1.1                                  | .3   | .0    |       |       |       |
| 050-070                |  | 2.3                                  | 1.2  | .3    | .0    |       |       |
| (E) 080-100            |  | 4.7                                  | 5.5  | 2.0   | .1    |       |       |
| 110-130                |  | 4.1                                  | 4.5  | 1.1   | .2    |       |       |
| 140-160                |  | 2.3                                  | 2.5  | .3    |       |       |       |
| (S) 170-190            |  | 1.3                                  | 1.1  | .2    |       |       |       |
| 200-220                |  | 1.4                                  | 1.0  | .1    |       |       |       |
| 230-250                |  | 1.7                                  | 1.0  | .1    |       |       |       |
| (W) 260-280            |  | 3.3                                  | 1.7  | .3    | .0    |       |       |
| 290-310                |  | 0.3                                  | 7.5  | 3.0   | .5    | .0    |       |
| 320-340                |  | 1.0                                  | 5.0  | 4.3   | .7    | .2    |       |
| VARIABLE               |  |                                      |      |       |       |       |       |
| CAL 4                  |  | //////////////////////////////////// |      |       |       |       |       |
| TOTALS                 |  | 30.0                                 | 32.0 | 12.0  | 1.6   | .2    |       |

TOTAL NUMBER OF OBSERVATIONS 5699

# FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 04

PERIOD OF RECORD: JUN 74 - MAY 84

MONTH: NOV HOURS: ALL

WIND SPEED IN KNOTS

| 25-29 | 30-34 | 35-39 | 40-49 | 50-54 | GE 55 | TOTAL | MEAN | MEDIAN |
|-------|-------|-------|-------|-------|-------|-------|------|--------|
|       |       |       |       |       |       |       | WIND | WIND   |
|       |       |       |       |       |       | 1.9   | 5.3  | 4.0    |
|       |       |       |       |       |       | 1.4   | 3.5  | 3.0    |
|       |       |       |       |       |       | 3.0   | 4.4  | 4.0    |
|       |       |       |       |       |       | 13.3  | 5.2  | 5.0    |
|       |       |       |       |       |       | 9.9   | 5.3  | 5.0    |
|       |       |       |       |       |       | 5.7   | 5.5  | 5.0    |
|       |       |       |       |       |       | 3.0   | 4.4  | 4.0    |
|       |       |       |       |       |       | 2.3   | 4.5  | 4.0    |
|       |       |       |       |       |       | 2.7   | 4.1  | 4.0    |
|       |       |       |       |       |       | 5.4   | 4.4  | 4.0    |
|       |       |       |       |       |       | 15.3  | 5.5  | 5.0    |
|       |       |       |       |       |       | 12.0  | 4.5  | 4.0    |

//////////////////// 21.3 //////////////////  
100.0 4.3 5.0

OBSERVATIONS 5699

OPERATING LOCATION: "A"  
USAFPTAC, ASHCVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE: 50%  
- 20% DAILY OBSERVATION

STATION NUMBER: 722270

STATION NAME: DUBINS AND SA  
LST TO UTC: + 5

CATEGORY A: CEILING 500 BUT LESS THAN 1500 FEET WITH VISIBILITY 1/2 MILE  
AND/OR  
VISIBILITY 5/8 MILE (0300 METERS) BUT LESS THAN 3 MILES (4800 METERS)

|            |         | WIND SPEED IN KNOTS |      |       |       |       |       |       |       |       |       |
|------------|---------|---------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| DIRECTION  |         | 1-4                 | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| (OBSERVED) |         |                     |      |       |       |       |       |       |       |       |       |
| (4)        | 350-010 | .2                  | .3   | .3    |       |       |       |       |       |       |       |
|            | 020-040 | 1.2                 | .5   | .1    |       |       |       |       |       |       |       |
|            | 050-070 | 2.1                 | 2.7  | .1    |       |       |       |       |       |       |       |
| (5)        | 080-100 | 5.2                 | 14.5 | 5.0   | .1    |       |       |       |       |       |       |
|            | 110-130 | 3.2                 | 5.5  | 2.0   | .7    |       |       |       |       |       |       |
|            | 140-160 | 1.5                 | 1.3  | .7    |       |       |       |       |       |       |       |
| (5)        | 170-190 | 1.5                 | .4   | .1    |       |       |       |       |       |       |       |
|            | 200-220 | 2.2                 | 1.3  | .1    |       |       |       |       |       |       |       |
|            | 230-250 | 1.5                 | .5   |       |       |       |       |       |       |       |       |
| (4)        | 260-280 | 2.7                 | 2.4  | .6    |       |       |       |       |       |       |       |
|            | 290-310 | 4.4                 | 4.5  | 2.1   | .6    |       |       |       |       |       |       |
|            | 320-340 | 2.2                 | 5.1  | 2.7   | .5    |       |       |       |       |       |       |

VARIABLE

CALM

TOTALS

29.6 41.8 15.1 1.5

TOTAL NUMBER OF OBSERVATIONS 1966

1. OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 DAILY OBSERVATIONS

PERIOD OF RECORD: JUN 74 - MAY 84  
 MONTH: NOV HOURS: ALL

WITH VISIBILITY OF 1/2 MILE (800 METERS).

LESS THAN 3 MILES (4800 METERS) WITH CEILING OF 200 FEET.

IN KNOTS

| 01-30 | 31-39 | 40-49 | 50-59 | 60-69 | TOTAL | MEAN | MEDIAN |
|-------|-------|-------|-------|-------|-------|------|--------|
|       |       |       |       |       |       | WIND | WIND   |
|       |       |       |       |       | 1.5   | 5.1  | 4.0    |
|       |       |       |       |       | 1.7   | 4.0  | 3.0    |
|       |       |       |       |       | 5.3   | 5.0  | 5.0    |
|       |       |       |       |       | 25.0  | 7.2  | 7.0    |
|       |       |       |       |       | 13.4  | 7.0  | 7.0    |
|       |       |       |       |       | 5.0   | 4.9  | 4.0    |
|       |       |       |       |       | 2.5   | 4.2  | 4.0    |
|       |       |       |       |       | 3.4   | 3.0  | 4.0    |
|       |       |       |       |       | 2.4   | 4.0  | 4.0    |
|       |       |       |       |       | 5.6   | 5.3  | 5.0    |
|       |       |       |       |       | 11.0  | 5.3  | 5.0    |
|       |       |       |       |       | 10.0  | 7.5  | 7.0    |

11.4

100.0 5.7 5.0

OBSERVATIONS 1986

OPERATING LOCATION "A"  
 USARFAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF RECORDING - SURFACE  
 4-5% DAILY OBSERVATION

STATION NUMBER: 722270

STATION NAME: DURING APR 64  
 LST TO UTC: + 5

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS |      |       |       |       |       |       |       |       |       |
|----------------------------------|---------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                  | 1-4                 | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| (4) 350-010                      | .4                  | .3   | .7    |       |       |       |       |       |       |       |
| 020-040                          | .4                  | .4   |       |       |       |       |       |       |       |       |
| 050-070                          | .4                  | .4   |       |       |       |       |       |       |       |       |
| (5) 080-110                      | 4.5                 | 5.6  | .7    |       |       |       |       |       |       |       |
| 110-130                          | 3.4                 | 2.8  | 1.6   |       |       |       |       |       |       |       |
| 140-160                          | 1.2                 | .3   | .4    |       |       |       |       |       |       |       |
| (6) 170-190                      | 1.2                 | .8   |       |       |       |       |       |       |       |       |
| 200-220                          | 1.2                 | .4   |       |       |       |       |       |       |       |       |
| 230-250                          | 1.2                 |      |       |       |       |       |       |       |       |       |
| (7) 260-280                      | 3.2                 | .4   |       |       |       |       |       |       |       |       |
| 290-310                          | 3.7                 | 13.6 | 1.6   | .4    |       |       |       |       |       |       |
| 320-340                          | 2.4                 | 5.3  | 5.5   | .3    | .4    |       |       |       |       |       |
| VARIABLE                         |                     |      |       |       |       |       |       |       |       |       |
| CALC                             |                     |      |       |       |       |       |       |       |       |       |
| TOTALS                           | 27.2                | 31.5 | 11.7  | 1.2   | .4    |       |       |       |       |       |
| TOTAL NUMBER OF OBSERVATIONS 247 |                     |      |       |       |       |       |       |       |       |       |

NOY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
ON JULY 1954-1955

1954-55  
PERIOD OF RECORD: JUN 77 - MAY 88  
MONTH: DEC HOURS: 03-05

| .....                                |       |       |       |       |       |       |                                  |             |
|--------------------------------------|-------|-------|-------|-------|-------|-------|----------------------------------|-------------|
| SPEED IN KNOTS                       |       |       |       |       |       |       |                                  |             |
| 25-29                                | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | TOTAL | MEAN WIND                        | MEDIAN WIND |
| .....                                |       |       |       |       |       | ..... |                                  |             |
|                                      |       |       |       |       |       | 2.0   | 7.6                              | 7.0         |
|                                      |       |       |       |       |       | 1.2   | 3.7                              | 2.0         |
|                                      |       |       |       |       |       | 1.2   | 4.2                              | 4.0         |
|                                      |       |       |       |       |       | 13.2  | 6.0                              | 6.0         |
|                                      |       |       |       |       |       | 6.9   | 6.3                              | 6.0         |
|                                      |       |       |       |       |       | 2.4   | 6.6                              | 6.0         |
|                                      |       |       |       |       |       | 2.0   | 4.4                              | 4.0         |
|                                      |       |       |       |       |       | 1.5   | 4.5                              | 3.0         |
|                                      |       |       |       |       |       | 1.2   | 3.3                              | 3.0         |
|                                      |       |       |       |       |       | 4.2   | 3.6                              | 3.0         |
|                                      |       |       |       |       |       | 20.2  | 5.9                              | 6.0         |
|                                      |       |       |       |       |       | 15.4  | 7.0                              | 9.5         |
| .....                                |       |       |       |       |       |       |                                  |             |
| //////////////////////////////////// |       |       |       |       |       | 27.9  | //////////////////////////////// |             |
|                                      |       |       |       |       |       | 100.0 | 4.6                              | 6.0         |

NO. OBSERVATIONS 247

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACED  
FROM WINDLEY OBSERVATION

STATION NUMBER: 722270

STATION NAME: DUBBINS ARB GA  
LST TO UTC: + 5

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| (N) 000-010            | .2                                   | .7   | .5    |       |       |       |       |       |       |       |
| 020-040                | .5                                   | .2   | .2    |       |       |       |       |       |       |       |
| 050-070                | 1.2                                  | .5   |       |       |       |       |       |       |       |       |
| (E) 080-100            | 2.5                                  | 5.4  | 3.0   |       |       |       |       |       |       |       |
| 110-130                | 2.0                                  | 3.3  | .2    | .1    |       |       |       |       |       |       |
| 140-160                | 1.5                                  | 1.0  | .2    |       |       |       |       |       |       |       |
| (S) 170-190            | .7                                   | .2   | .1    |       |       |       |       |       |       |       |
| 200-220                | .2                                   | .7   | .2    |       |       |       |       |       |       |       |
| 230-250                | 1.2                                  | .5   |       |       |       |       |       |       |       |       |
| (W) 260-280            | 5.4                                  | 1.4  |       |       | .1    |       |       |       |       |       |
| 290-310                | 5.0                                  | 5.2  | 3.7   | .4    |       |       |       |       |       |       |
| 320-340                | 3.3                                  | 5.2  | 5.4   | 1.1   |       |       |       |       |       |       |
| VARIABLE               |                                      |      |       |       |       |       |       |       |       |       |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |
| TOTALS                 | 27.2                                 | 25.9 | 16.3  | 1.5   | .1    |       |       |       |       |       |

TOTAL NUMBER OF OBSERVATIONS 513



12. OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JULY 76 - MAY 83  
 MONTH: DEC HOURS: 06-03

| .....                                |       |       |       |       |       |       |                                  |        |
|--------------------------------------|-------|-------|-------|-------|-------|-------|----------------------------------|--------|
| S IN KNOTS                           |       |       |       |       |       |       |                                  |        |
| 0-09                                 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | TOTAL | MEAN                             | MEDIAN |
|                                      |       |       |       |       |       |       | WIND                             | WIND   |
| .....                                |       |       |       |       |       |       |                                  |        |
|                                      |       |       |       |       |       | 1.6   | 7.9                              | 5.0    |
|                                      |       |       |       |       |       | 1.0   | 5.6                              | 4.0    |
|                                      |       |       |       |       |       | 2.3   | 3.2                              | 3.0    |
|                                      |       |       |       |       |       | 12.2  | 6.0                              | 7.0    |
|                                      |       |       |       |       |       | 6.8   | 6.3                              | 6.0    |
|                                      |       |       |       |       |       | 2.7   | 4.9                              | 4.0    |
|                                      |       |       |       |       |       | 1.1   | 4.2                              | 5.0    |
|                                      |       |       |       |       |       | 1.8   | 5.3                              | 5.0    |
|                                      |       |       |       |       |       | 1.4   | 3.5                              | 3.0    |
|                                      |       |       |       |       |       | 7.9   | 3.6                              | 3.0    |
|                                      |       |       |       |       |       | 13.2  | 5.7                              | 6.0    |
|                                      |       |       |       |       |       | 15.0  | 7.7                              | 6.5    |
| .....                                |       |       |       |       |       |       |                                  |        |
| //////////////////////////////////// |       |       |       |       |       | 27.6  | //////////////////////////////// |        |
|                                      |       |       |       |       |       | 100.0 | 4.7                              | 5.0    |

OBSERVATIONS 613

OPERATING LOCATION "AM"  
USAFPTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA

LST TO UTC: + 5

|   |  | WIND SPEED IN KNOTS |      |       |       |       |       |       |       |       |       |
|---|--|---------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| DIRECTION<br>(DEGREES)                      |  | 1-4                 | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| (N) 350-010                                 |  | 1.0                 | 1.4  | 1.4   |       |       |       |       |       |       |       |
| 020-040                                     |  | .2                  | .5   | .6    |       |       |       |       |       |       |       |
| 050-070                                     |  | 1.5                 | .6   | .1    |       |       |       |       |       |       |       |
| (E) 080-100                                 |  | 4.1                 | 5.2  | 3.0   | .2    |       |       |       |       |       |       |
| 110-130                                     |  | 4.4                 | 5.3  | 2.3   | .4    |       |       |       |       |       |       |
| 140-160                                     |  | 2.3                 | 2.0  | .0    | .1    |       |       |       |       |       |       |
| (S) 170-190                                 |  | 1.2                 | 1.0  | .1    |       |       |       |       |       |       |       |
| 200-220                                     |  | 2.2                 | 1.0  |       |       |       |       |       |       |       |       |
| 230-250                                     |  | 2.1                 | .2   |       |       |       |       |       |       |       |       |
| (W) 260-280                                 |  | 4.2                 | 4.5  | .7    |       |       |       |       |       |       |       |
| 290-310                                     |  | 3.0                 | 5.9  | 4.7   | .4    |       |       |       |       |       |       |
| 320-340                                     |  | 1.0                 | 4.0  | 5.0   | 2.1   | .0    |       |       |       |       |       |
| .....                                       |  |                     |      |       |       |       |       |       |       |       |       |
| VARIABLE                                    |  |                     |      |       |       |       |       |       |       |       |       |
| CALM ////////////////////////////////////// |  |                     |      |       |       |       |       |       |       |       |       |
| TOTALS                                      |  | 22.5                | 34.8 | 20.3  | 3.2   | .0    |       |       |       |       |       |

TOTAL NUMBER OF OBSERVATIONS 313

Y OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FOR HOURLY OBSERVATIONS

STATION: 100A PERIOD OF RECORD: JUN 75 - MAY 80  
 MONTH: DEC HOURS: 00-11

| WIND SPEED IN KNOTS  |       |       |       |       |       | TOTAL | MEAN             | MEDIAN           |
|----------------------|-------|-------|-------|-------|-------|-------|------------------|------------------|
| 25-29                | 30-34 | 35-39 | 40-49 | 50-54 | GE 55 | %     | WIND             | WIND             |
|                      |       |       |       |       |       | 3.7   | 7.1              | 7.5              |
|                      |       |       |       |       |       | 2.0   | 6.4              | 7.0              |
|                      |       |       |       |       |       | 2.2   | 3.9              | 3.0              |
|                      |       |       |       |       |       | 12.4  | 6.9              | 7.0              |
|                      |       |       |       |       |       | 13.4  | 6.5              | 6.0              |
|                      |       |       |       |       |       | 5.3   | 6.0              | 5.0              |
|                      |       |       |       |       |       | 2.3   | 4.1              | 4.0              |
|                      |       |       |       |       |       | 3.2   | 4.2              | 4.0              |
|                      |       |       |       |       |       | 3.0   | 4.0              | 3.0              |
|                      |       |       |       |       |       | 2.5   | 5.1              | 5.0              |
|                      |       |       |       |       |       | 15.9  | 7.4              | 7.0              |
|                      |       |       |       |       |       | 15.4  | 10.1             | 10.0             |
| //////////////////// |       |       |       |       |       | 11.5  | //////////////// | //////////////// |
|                      |       |       |       |       |       | 100.0 | 5.1              | 5.0              |

OBSERVATIONS 913

OPERATING LOCATION "AM"  
JSAFFAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

|                              |         | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |
|------------------------------|---------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| DIRECTION<br>(DEGREES)       |         | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| (N)                          | 350-010 | 1.1                                  | 1.3  | 1.5   | .1    |       |       |       |       |       |       |
|                              | 020-040 | .9                                   | .6   | .1    | .1    |       |       |       |       |       |       |
|                              | 050-070 | 1.2                                  | .7   |       |       |       |       |       |       |       |       |
| (E)                          | 080-100 | 2.2                                  | 3.3  | 2.3   | .5    |       |       |       |       |       |       |
|                              | 110-130 | 3.6                                  | 7.4  | 2.6   | .4    | .1    |       |       |       |       |       |
|                              | 140-160 | 2.6                                  | 2.6  | .5    | .1    |       |       |       |       |       |       |
| (S)                          | 170-190 | 2.2                                  | 2.3  |       |       |       |       |       |       |       |       |
|                              | 200-220 | 2.6                                  | 2.6  | .2    |       |       |       |       |       |       |       |
|                              | 230-250 | 2.2                                  | 2.7  | .4    |       |       |       |       |       |       |       |
| (W)                          | 260-280 | 3.6                                  | 5.3  | 2.0   | .2    |       |       |       |       |       |       |
|                              | 290-310 | 2.7                                  | 6.4  | 4.4   | 1.5   | .4    |       |       |       |       |       |
|                              | 320-340 | 1.4                                  | 5.7  | 5.9   | 2.0   | .5    |       |       |       |       |       |
| .....                        |         |                                      |      |       |       |       |       |       |       |       |       |
| VARIABLE                     |         |                                      |      |       |       |       |       |       |       |       |       |
| CALM                         |         | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |
| TOTALS                       |         | 26.7                                 | 41.3 | 20.9  | 4.9   | 1.1   |       |       |       |       |       |
| .....                        |         |                                      |      |       |       |       |       |       |       |       |       |
| TOTAL NUMBER OF OBSERVATIONS |         |                                      |      |       |       |       |       |       |       | 813   |       |
| .....                        |         |                                      |      |       |       |       |       |       |       |       |       |

BY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

AS GA PERIOD OF RECORD: JUN 75 - MAY 86  
MONTH: DEC HOURS: 12-14

| SPEED IN KNOTS |       |       |       |       |       | TOTAL | MEAN | MEDIAN |
|----------------|-------|-------|-------|-------|-------|-------|------|--------|
| 25-29          | 30-34 | 35-39 | 40-49 | 50-64 | 65-69 | %     | WIND | WIND   |
|                |       |       |       |       |       | 4.6   | 7.7  | 8.0    |
|                |       |       |       |       |       | 1.7   | 5.1  | 4.0    |
|                |       |       |       |       |       | 2.0   | 4.4  | 4.0    |
|                |       |       |       |       |       | 8.4   | 7.7  | 8.0    |
|                |       |       |       |       |       | 14.0  | 7.1  | 6.5    |
|                |       |       |       |       |       | 6.0   | 5.5  | 4.0    |
|                |       |       |       |       |       | 4.6   | 4.6  | 5.0    |
|                |       |       |       |       |       | 5.9   | 4.7  | 5.0    |
|                |       |       |       |       |       | 5.3   | 5.1  | 5.0    |
|                |       |       |       |       |       | 11.1  | 5.5  | 5.0    |
|                |       |       |       |       |       | 15.4  | 6.7  | 8.0    |
|                |       |       |       |       |       | 15.5  | 10.2 | 10.0   |
|                |       |       |       |       |       |       |      |        |
|                |       |       |       |       |       | 4.7   |      |        |
|                |       |       |       |       |       | 100.0 | 7.0  | 7.0    |
| OBSERVATIONS   |       |       |       |       |       | 813   |      |        |

OPERATING LOCATION "AW"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: Dobbins AFB GA  
LST TO UTC: + 5

| DIRECTION<br>(DEGREES)       | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |       |       |
|------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
|                              | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| (N) 350-010                  | .7                                   | 1.3  | 1.5   | .2    |       |       |       |       |       |       |
| 020-040                      | .7                                   | .5   | .1    |       |       |       |       |       |       |       |
| 050-070                      | 1.8                                  | .7   |       |       |       |       |       |       |       |       |
| (E) 080-100                  | 2.5                                  | 4.4  | 2.1   | .1    |       |       |       |       |       |       |
| 110-130                      | 2.7                                  | 5.2  | 1.3   | .2    |       |       |       |       |       |       |
| 140-160                      | 3.2                                  | 2.5  | .4    | .1    |       |       |       |       |       |       |
| (S) 170-190                  | 2.3                                  | 1.5  |       |       |       |       |       |       |       |       |
| 200-220                      | 3.0                                  | 1.7  | .4    |       |       |       |       |       |       |       |
| 230-250                      | 2.2                                  | 2.5  | .4    |       |       |       |       |       |       |       |
| (W) 260-280                  | 4.3                                  | 4.1  | 1.1   |       |       |       |       |       |       |       |
| 290-310                      | 3.3                                  | 3.0  | 5.2   | .5    | .5    |       |       |       |       |       |
| 320-340                      | 2.7                                  | 5.0  | 7.6   | 1.2   |       |       |       |       |       |       |
| .....                        |                                      |      |       |       |       |       |       |       |       |       |
| VARIABLE                     |                                      |      |       |       |       |       |       |       |       |       |
| CALM                         | //////////////////////////////////// |      |       |       |       |       |       |       |       |       |
| TOTALS                       | 30.7                                 | 39.0 | 20.6  | 2.3   | .5    |       |       |       |       |       |
| .....                        |                                      |      |       |       |       |       |       |       |       |       |
| TOTAL NUMBER OF OBSERVATIONS |                                      |      |       |       |       |       |       |       |       | 213   |
| .....                        |                                      |      |       |       |       |       |       |       |       |       |

INCIDENCE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

AFB GA PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: DEC HOURS: 15-17

| SPEED IN KNOTS       |       |       |       |       |       | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|----------------------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| 25-29                | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 |            |              |                |
| .....                |       |       |       |       |       | 4.3        | 5.6          | 9.0            |
| .....                |       |       |       |       |       | 1.4        | 4.6          | 4.0            |
| .....                |       |       |       |       |       | 2.6        | 3.4          | 3.0            |
| .....                |       |       |       |       |       | 9.2        | 6.8          | 7.0            |
| .....                |       |       |       |       |       | 10.9       | 7.1          | 7.0            |
| .....                |       |       |       |       |       | 7.0        | 4.9          | 4.0            |
| .....                |       |       |       |       |       | 3.8        | 3.9          | 4.0            |
| .....                |       |       |       |       |       | 5.0        | 4.4          | 4.0            |
| .....                |       |       |       |       |       | 5.0        | 5.3          | 5.0            |
| .....                |       |       |       |       |       | 9.5        | 5.5          | 5.0            |
| .....                |       |       |       |       |       | 13.0       | 6.1          | 6.0            |
| .....                |       |       |       |       |       | 16.5       | 9.2          | 10.0           |
| .....                |       |       |       |       |       | .....      |              |                |
| //////////////////// |       |       |       |       |       | 5.5        | ////////     |                |
|                      |       |       |       |       |       | 100.0      | 5.4          | 5.0            |

OBSERVATIONS 213

.....

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: JOBBINS AFB GA  
LST TO UTC: + 5

| DIRECTION<br>(DEGREES)           | WIND SPEED IN KNOTS  |      |       |       |       |       |       |       |       |       |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                  | 1-4                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| (N) 350-010                      | .9                   | 2.7  | .5    |       |       |       |       |       |       |       |
| 020-040                          | .2                   | .4   |       |       |       |       |       |       |       |       |
| 050-070                          | .7                   | .2   |       |       |       |       |       |       |       |       |
| (E) 080-100                      | 3.1                  | 3.1  | 1.5   | .1    |       |       |       |       |       |       |
| 110-130                          | 3.3                  | 4.3  | 1.4   | .2    |       |       |       |       |       |       |
| 140-160                          | 2.1                  | 1.2  |       |       |       |       |       |       |       |       |
| (S) 170-190                      | 1.1                  | .5   |       | .1    |       |       |       |       |       |       |
| 200-220                          | 1.4                  | .7   |       |       |       |       |       |       |       |       |
| 230-250                          | 1.5                  | .5   |       |       |       |       |       |       |       |       |
| (W) 260-280                      | 5.2                  | 1.3  | .2    |       |       |       |       |       |       |       |
| 290-310                          | 4.3                  | 4.7  | 3.1   | .4    |       |       |       |       |       |       |
| 320-340                          | 3.5                  | 5.5  | 5.5   | .6    |       |       |       |       |       |       |
| VARIABLE                         |                      |      |       |       |       |       |       |       |       |       |
| CALM                             | //////////////////// |      |       |       |       |       |       |       |       |       |
| TOTALS                           | 22.5                 | 27.3 | 12.5  | 1.4   |       |       |       |       |       |       |
| TOTAL NUMBER OF OBSERVATIONS 313 |                      |      |       |       |       |       |       |       |       |       |



BY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

AS 64 PERIOD OF RECORD: JUN 73 - MAY 80  
MONTH: DEC HOURS: 13-20

.....  
DIRECTION IN KNOTS

| 20-29 | 30-34 | 35-39 | 40-49 | 50-54 | GE 55 | TOTAL<br>% | MEAN<br>WIND | MEDIAN<br>WIND |
|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| ..... | ..... | ..... | ..... | ..... | ..... | 4.1        | 5.2          | 5.0            |
| ..... | ..... | ..... | ..... | ..... | ..... | .6         | 5.0          | 5.0            |
| ..... | ..... | ..... | ..... | ..... | ..... | 1.0        | 3.4          | 3.0            |
| ..... | ..... | ..... | ..... | ..... | ..... | 4.1        | 5.2          | 5.5            |
| ..... | ..... | ..... | ..... | ..... | ..... | 10.2       | 5.4          | 6.0            |
| ..... | ..... | ..... | ..... | ..... | ..... | 3.3        | 4.0          | 4.0            |
| ..... | ..... | ..... | ..... | ..... | ..... | 1.7        | 3.9          | 3.0            |
| ..... | ..... | ..... | ..... | ..... | ..... | 2.1        | 3.3          | 4.0            |
| ..... | ..... | ..... | ..... | ..... | ..... | 2.7        | 3.4          | 3.0            |
| ..... | ..... | ..... | ..... | ..... | ..... | 5.2        | 3.4          | 2.0            |
| ..... | ..... | ..... | ..... | ..... | ..... | 12.9       | 5.6          | 6.0            |
| ..... | ..... | ..... | ..... | ..... | ..... | 16.4       | 3.2          | 3.0            |

.....  
//////////////////// 29.2 //////////////////  
100.0 4.3 5.0

OBSERVATIONS 313  
.....

OPERATING LOCATION: WAW  
USAF TAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

0.21  
12.7

| ..... WIND SPEED IN KNOTS .....  |                                      |      |       |       |       |       |       |       |       |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|
| DIRECTION<br>(DEGREES)           | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 |
| .....                            |                                      |      |       |       |       |       |       |       |       |
| (N) 350-010                      | .5                                   | 1.1  | .5    |       |       |       |       |       |       |
| 020-040                          | .5                                   | .2   |       |       |       |       |       |       |       |
| 050-070                          | 1.2                                  | .4   |       |       |       |       |       |       |       |
| (E) 080-100                      | 2.5                                  | 2.7  | 2.5   | .1    |       |       |       |       |       |
| 110-130                          | 3.2                                  | 4.5  | 1.6   |       |       |       |       |       |       |
| 140-160                          | 1.2                                  | .4   | .5    |       |       |       |       |       |       |
| (S) 170-190                      | 1.5                                  | .4   | .1    |       |       |       |       |       |       |
| 200-220                          | .2                                   | .5   | .1    |       |       |       |       |       |       |
| 230-250                          | 1.7                                  | .2   |       |       |       |       |       |       |       |
| (W) 260-280                      | 5.2                                  | 1.2  | .4    |       |       |       |       |       |       |
| 290-310                          | 3.3                                  | 5.3  | 4.1   | .1    | .1    |       |       |       |       |
| 320-340                          | 2.3                                  | 5.0  | 5.0   | .5    | .1    |       |       |       |       |
| .....                            |                                      |      |       |       |       |       |       |       |       |
| VARIABLE                         |                                      |      |       |       |       |       |       |       |       |
| CALM                             | //////////////////////////////////// |      |       |       |       |       |       |       |       |
| TOTALS                           | 25.7                                 | 24.0 | 15.0  | .7    | .2    |       |       |       |       |
| .....                            |                                      |      |       |       |       |       |       |       |       |
| TOTAL NUMBER OF OBSERVATIONS 813 |                                      |      |       |       |       |       |       |       |       |
| .....                            |                                      |      |       |       |       |       |       |       |       |

# STACY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 34 PERIOD OF RECORD: JUN 75 - MAY 86  
MONTH: DEC HOURS: 21-23

| SPEEDS IN KNOTS |       |       |       |       |       | TOTAL | MEAN | MEDIAN |
|-----------------|-------|-------|-------|-------|-------|-------|------|--------|
| 25-29           | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | %     | WIND | WIND   |
|                 |       |       |       |       |       | 2.3   | 6.9  | 7.0    |
|                 |       |       |       |       |       | .7    | 3.2  | 2.5    |
|                 |       |       |       |       |       | 1.5   | 3.2  | 2.0    |
|                 |       |       |       |       |       | 7.7   | 7.0  | 6.0    |
|                 |       |       |       |       |       | 9.3   | 9.4  | 6.0    |
|                 |       |       |       |       |       | 2.2   | 5.4  | 4.0    |
|                 |       |       |       |       |       | 2.1   | 3.6  | 2.0    |
|                 |       |       |       |       |       | 1.5   | 4.7  | 4.0    |
|                 |       |       |       |       |       | 2.0   | 3.1  | 3.0    |
|                 |       |       |       |       |       | 7.7   | 3.4  | 3.0    |
| 1               |       |       |       |       |       | 14.4  | 7.4  | 7.0    |
| 1               |       |       |       |       |       | 15.9  | 3.5  | 3.0    |
|                 |       |       |       |       |       | 33.7  |      |        |
|                 |       |       |       |       |       | 100.0 | 4.4  | 5.0    |

OBSERVATIONS 413

OPERATING LOCATION "A"  
USAF TAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACED  
FROM HIGHLY OBSERVATION

STATION NUMBER: 722270

STATION NAME: DORRIS AFB GA  
LST TO UTC: + 5

|   |         | WIND SPEED IN KNOTS |      |       |       |       |       |       |       |       |       |
|---|---------|---------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| DIRECTION   |         | 1-4                 | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| (DEGREES)   |         |                     |      |       |       |       |       |       |       |       |       |
| (N)   | 350-010 | .7                  | 1.6  | 1.0   | .1    |       |       |       |       |       |       |
|   | 020-040 | .6                  | .4   | .2    | .0    |       |       |       |       |       |       |
|   | 050-070 | 1.4                 | .5   | .0    |       |       |       |       |       |       |       |
| (E)   | 080-100 | 2.2                 | 4.4  | 2.4   | .2    |       |       |       |       |       |       |
|   | 110-130 | 3.2                 | 5.3  | 1.1   | .2    | .0    |       |       |       |       |       |
|   | 140-160 | 2.2                 | 1.5  | .4    | .1    |       |       |       |       |       |       |
| (S)   | 170-190 | 1.5                 | 1.5  | .1    | .0    |       |       |       |       |       |       |
|   | 200-220 | 1.1                 | 1.0  | .2    |       |       |       |       |       |       |       |
|   | 230-250 | 1.1                 | 1.2  | .1    |       |       |       |       |       |       |       |
| (W)   | 260-280 | 5.0                 | 2.4  | .7    | .0    | .0    |       |       |       |       |       |
|   | 290-310 | 4.4                 | 7.0  | 4.1   | .5    | .2    |       |       |       |       |       |
|   | 320-340 | 2.5                 | 3.5  | 4.3   | 1.2   | .2    |       |       |       |       |       |
| .....   |         |                     |      |       |       |       |       |       |       |       |       |
| VARIABLE  |         |                     |      |       |       |       |       |       |       |       |       |
| CALC // |         |                     |      |       |       |       |       |       |       |       |       |
| TOTALS  |         | 27.9                | 32.7 | 17.8  | 2.3   | .4    |       |       |       |       |       |

TOTAL NUMBER OF OBSERVATIONS 5131

NOY 19 RECORDS SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HIGHLY OBSERVATIONS

PERIOD OF RECORD: JUN 75 - MAY 86  
MONTH: DEC YEARS: ALL

| WINDS IN KNOTS       |       |       |       |       |       | TOTAL | MEAN     | MEDIAN   |
|----------------------|-------|-------|-------|-------|-------|-------|----------|----------|
| 20-24                | 25-29 | 30-34 | 35-39 | 40-49 | 50-54 |       |          |          |
|                      |       |       |       |       |       | 3.4   | 7.4      | 7.0      |
|                      |       |       |       |       |       | 1.2   | 6.2      | 4.0      |
|                      |       |       |       |       |       | 1.2   | 3.5      | 3.0      |
|                      |       |       |       |       |       | 2.9   | 5.9      | 5.5      |
|                      |       |       |       |       |       | 10.5  | 5.7      | 5.0      |
|                      |       |       |       |       |       | 6.3   | 5.2      | 4.0      |
|                      |       |       |       |       |       | 2.5   | 4.2      | 4.0      |
|                      |       |       |       |       |       | 3.1   | 4.7      | 4.0      |
|                      |       |       |       |       |       | 3.1   | 6.4      | 6.0      |
|                      |       |       |       |       |       | 1.7   | 4.5      | 4.0      |
|                      |       |       |       |       |       | 15.1  | 7.4      | 7.0      |
|                      |       |       |       |       |       | 13.1  | 9.2      | 9.0      |
| //////////////////// |       |       |       |       |       | 12.3  | //////// | //////// |
|                      |       |       |       |       |       | 100.0 | 5.4      | 5.0      |

NOVEMBER 1981

OPERATING LOCATION "AA"  
USAFETAC, ASHCVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE STARTING  
FROM JULY OBSERVATION

STATION NUMBER: 722270

STATION NAME: JOHNS AFB GA  
LST TO UTC: + 5

CATEGORY A: CEILING OF 200 BUT LESS THAN 1500 FEET WITH VISIBILITY 3/4  
AND/OR  
VISIBILITY OF 1/2 MILE (800 METERS) BUT LESS THAN 3 MILES

WIND SPEED IN KNOTS  
DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39  
(DEGREES)

|             |     |      |     |    |    |  |  |
|-------------|-----|------|-----|----|----|--|--|
| (N) 350-010 | 1.4 | 1.7  | .6  |    |    |  |  |
| 020-040     | .7  | .2   | .1  |    |    |  |  |
| 050-070     | 1.0 | 1.0  |     |    |    |  |  |
| (E) 080-100 | 4.1 | 7.2  | 3.2 | .1 |    |  |  |
| 110-130     | 6.6 | 11.4 | 4.8 | .6 | .1 |  |  |
| 140-160     | 2.0 | 1.9  | 1.1 | .6 |    |  |  |
| (S) 170-190 | 1.9 | 1.2  | .6  |    |    |  |  |
| 200-220     | 1.6 | 1.6  | .2  |    |    |  |  |
| 230-250     | 2.6 | .3   |     |    |    |  |  |
| (W) 260-280 | 2.5 | 2.0  | .7  | .1 | .1 |  |  |
| 290-310     | 2.6 | 3.7  | 5.5 | .7 |    |  |  |
| 320-340     | 2.6 | 4.1  | 3.2 | .3 |    |  |  |

VARIABLE

CALC //

TOTALS 21.7 37.1 19.8 2.2 .2

TOTAL NUMBER OF OBSERVATIONS 105

NOY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

AF 5 GA PERIOD OF RECORD: JUN 78 - MAY 84  
 MONTH: J C HOURS: ALL

.....  
 FEET WITH VISIBILITY GE 1/2 MILE (0-99 METERS).

NOT LESS THAN 3 MILES (400 METERS) WITH CEILING GE 200 FEET.

.....  
 SPEED IN KNOTS

| 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | GE 70 | TOTAL | MEAN | MEDIAN |
|-------|-------|-------|-------|-------|-------|-------|------|--------|
|       |       |       |       |       |       | S     | WIND | WIND   |
|       |       |       |       |       |       | 3.5   | 5.7  | 5.0    |
|       |       |       |       |       |       | 1.1   | 4.0  | 3.0    |
|       |       |       |       |       |       | 2.0   | 4.4  | 4.5    |
|       |       |       |       |       |       | 14.7  | 5.4  | 5.5    |
|       |       |       |       |       |       | 21.5  | 7.0  | 7.0    |
|       |       |       |       |       |       | 5.6   | 5.5  | 5.0    |
|       |       |       |       |       |       | 3.5   | 4.5  | 4.0    |
|       |       |       |       |       |       | 4.2   | 4.4  | 4.0    |
|       |       |       |       |       |       | 3.0   | 3.5  | 3.0    |
|       |       |       |       |       |       | 5.3   | 5.0  | 5.0    |
|       |       |       |       |       |       | 12.2  | 5.6  | 5.0    |
|       |       |       |       |       |       | 11.1  | 5.0  | 5.0    |

.....  
 ////////////////////////////////////// 12.0 //////////////////////////////////  
 100.0 5.0 5.0

.....  
 OBSERVATIONS 305

OPERATING LOCATION NAME  
USAFDTAG, ASHTVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

| DIRECTION<br>(DEGREES) | WIND SPEED IN KNOTS                  |      |       |       |       |       |       |       |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|
|                        | 1-4                                  | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 |
| (0) 350-010            | 1.2                                  | 1.2  | .6    | .1    | .0    | .0    |       |       |
| 020-040                | 1.1                                  | .3   | .0    | .0    | .0    |       |       |       |
| 050-070                | 2.7                                  | 1.2  | .2    | .0    |       |       |       |       |
| (1) 080-100            | 4.4                                  | 4.9  | 1.9   | .2    | .0    |       |       |       |
| 110-130                | 3.8                                  | 3.3  | 1.1   | .1    | .0    |       |       |       |
| 140-160                | 2.3                                  | 1.9  | .4    | .0    |       |       |       |       |
| (5) 170-190            | 2.4                                  | 1.0  | .1    | .0    |       |       |       |       |
| 200-220                | 2.4                                  | 1.1  | .2    | .0    |       |       |       |       |
| 230-250                | 2.5                                  | 1.0  | .1    | .0    |       |       |       |       |
| (4) 260-280            | 5.3                                  | 2.7  | .7    | .1    | .0    | .0    |       |       |
| 290-310                | 5.2                                  | 5.5  | 2.3   | .5    | .1    | .0    | .0    |       |
| 320-340                | 2.7                                  | 5.2  | 3.7   | .5    | .1    |       |       |       |
| .....                  |                                      |      |       |       |       |       |       |       |
| VARIABLE               |                                      |      |       |       |       |       |       |       |
| CALM                   | //////////////////////////////////// |      |       |       |       |       |       |       |
| TOTALS                 | 36.4                                 | 30.9 | 11.2  | 1.7   | .2    |       |       |       |

TOTAL NUMBER OF OBSERVATIONS: 67227



10Y OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

AREA: SA PERIOD OF RECORD: JUN 74 - MAY 83  
 MONTH: ALL HOURS: ALL

| SPEED IN KNOTS                       |       |       |       |       |       | TOTAL | MEAN                             | MEDIAN |
|--------------------------------------|-------|-------|-------|-------|-------|-------|----------------------------------|--------|
| 20-29                                | 30-34 | 35-39 | 40-49 | 50-54 | 55-59 |       |                                  |        |
| .....                                |       |       |       |       |       |       |                                  |        |
|                                      |       |       |       |       |       | 4     | 4.0                              | 4.0    |
| .....                                |       |       |       |       |       |       |                                  |        |
| .0                                   |       |       |       |       |       | 3.2   | 5.3                              | 5.0    |
|                                      |       |       |       |       |       | 1.4   | 3.6                              | 3.0    |
|                                      |       |       |       |       |       | 4.1   | 4.0                              | 3.0    |
|                                      |       |       |       |       |       | 11.4  | 4.1                              | 5.0    |
|                                      |       |       |       |       |       | 2.5   | 5.3                              | 5.0    |
|                                      |       |       |       |       |       | 4.7   | 5.1                              | 4.0    |
|                                      |       |       |       |       |       | 3.5   | 4.0                              | 4.0    |
|                                      |       |       |       |       |       | 3.7   | 4.2                              | 4.0    |
|                                      |       |       |       |       |       | 3.5   | 3.9                              | 3.0    |
| .0                                   |       |       |       |       |       | 3.9   | 4.7                              | 4.0    |
| .0 .0                                |       |       |       |       |       | 16.0  | 5.5                              | 5.0    |
|                                      |       |       |       |       |       | 12.3  | 4.0                              | 4.0    |
| .....                                |       |       |       |       |       |       |                                  |        |
| //////////////////////////////////// |       |       |       |       |       | 15.3  | //////////////////////////////// |        |
|                                      |       |       |       |       |       | 100.0 | 4.7                              | 5.0    |
| OBSERVATIONS: 67227                  |       |       |       |       |       |       |                                  |        |
| .....                                |       |       |       |       |       |       |                                  |        |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270 STATION NAME: DODDINS AFB GA  
LST TO UTC: + 5

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2  
AND/OR  
VISIBILITY GE 1/2 MILE (8000 METERS) BUT LESS THAN 3 MILES (4

|                        | WIND SPEED IN KNOTS |      |       |       |       |       |       |       |
|------------------------|---------------------|------|-------|-------|-------|-------|-------|-------|
| DIRECTION<br>(DEGREES) | 1-4                 | 5-9  | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 |
| (U) 350-010            | .3                  | .5   | .2    | .1    |       |       |       |       |
| 020-040                | 1.0                 | .3   | .0    | .0    |       |       |       |       |
| 050-070                | 3.6                 | 2.5  | .5    | .0    |       |       |       |       |
| (E) 080-100            | 6.6                 | 12.3 | 6.0   | .7    | .1    |       |       |       |
| 110-130                | 4.5                 | 7.3  | 2.5   | .4    | .0    |       |       |       |
| 140-160                | 2.4                 | 2.2  | .4    | .1    |       |       |       |       |
| (S) 170-190            | 2.7                 | .0   | .1    | .0    |       |       |       |       |
| 200-220                | 2.5                 | 1.1  | .1    |       |       |       |       |       |
| 230-250                | 2.2                 | .5   | .0    |       |       |       |       |       |
| (W) 260-280            | 3.4                 | 1.7  | .5    | .1    | .0    |       |       |       |
| 290-310                | 3.0                 | 3.3  | 2.2   | .0    | .1    |       | .0    |       |
| 320-340                | 1.3                 | 3.0  | 2.2   | .4    | .0    |       |       |       |

VARIABLE

CALM

TOTALS

34.3 35.4 14.5 2.3 .2

TOTAL NUMBER OF OBSERVATIONS: 3530

INCIDENCE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

AFB GA PERIOD OF RECORD: JUN 74 - MAY 84  
MONTH: ALL HOURS: ALL

.....  
FEET WITH VISIBILITY GE 1/2 MILE (8000 METERS).

AND NOT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

.....  
SPEED IN KNOTS

| 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL | MEAN | MEDIAN |
|-------|-------|-------|-------|-------|-------|-------|------|--------|
|       |       |       |       |       |       | Σ     | WIND | WIND   |
|       |       |       |       |       |       | 1.8   | 5.7  | 5.0    |
|       |       |       |       |       |       | 1.5   | 3.8  | 3.0    |
|       |       |       |       |       |       | 6.5   | 5.0  | 4.0    |
|       |       |       |       |       |       | 25.5  | 7.2  | 7.0    |
|       |       |       |       |       |       | 14.9  | 6.4  | 5.0    |
|       |       |       |       |       |       | 8.5   | 5.2  | 4.0    |
|       |       |       |       |       |       | 3.2   | 3.7  | 3.0    |
|       |       |       |       |       |       | 3.3   | 3.9  | 4.0    |
|       |       |       |       |       |       | 2.8   | 3.5  | 3.0    |
|       |       |       |       |       |       | 5.3   | 4.9  | 4.0    |
| ..    |       |       |       |       |       | 9.5   | 7.4  | 7.0    |
|       |       |       |       |       |       | 7.2   | 3.3  | 4.0    |

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//////////////////// 11.5 //////////////////  
100.0 5.6 5.0

OBSERVATIONS: 3630  
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| מספר  | 1          |
| שם    | משה        |
| תאריך | 10/10/2023 |
| מיקום | חדר 101    |
| מספר  | 2          |
| שם    | דוד        |
| תאריך | 11/10/2023 |
| מיקום | חדר 102    |
| מספר  | 3          |
| שם    | רחל        |
| תאריך | 12/10/2023 |
| מיקום | חדר 103    |
| מספר  | 4          |
| שם    | יוסף       |
| תאריך | 13/10/2023 |
| מיקום | חדר 104    |
| מספר  | 5          |
| שם    | שרה        |
| תאריך | 14/10/2023 |
| מיקום | חדר 105    |
| מספר  | 6          |
| שם    | מנחם       |
| תאריך | 15/10/2023 |
| מיקום | חדר 106    |
| מספר  | 7          |
| שם    | חנה        |
| תאריך | 16/10/2023 |
| מיקום | חדר 107    |
| מספר  | 8          |
| שם    | יצחק       |
| תאריך | 17/10/2023 |
| מיקום | חדר 108    |
| מספר  | 9          |
| שם    | עדה        |
| תאריך | 18/10/2023 |
| מיקום | חדר 109    |
| מספר  | 10         |
| שם    | נחמן       |
| תאריך | 19/10/2023 |
| מיקום | חדר 110    |

# PART D

## CEILING VERSUS VISIBILITY AND SKY COVER

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF)  
 CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS  
 OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FEET  
 "N" CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY  
 (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILE.  
 TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, TO  
 DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) OF  
 AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN  
 TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO  
 CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN.  
 TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW.  
 DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET  
 THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CELL  
 COLUMN.

NOTE 1: IN JANUARY 1963, METAR STATIONS BEGAN REPORTING  
 MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING METAR  
 THAN 5000 FEET AND/OR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = 1.609  
 FOR CONVENIENCE, THE CONVERSION FACTOR USED IS 1.6

SKY COVER--PERCENT OCCURRENCE FREQUENCY.  
 ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY  
 OCCURRENCE FREQUENCY (POF) OF SKY COVER IN CATEGORIES  
 AS CLEAR, SCATTERED, PARTLY, OVERCAST, PARTIALLY  
 OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS  
 POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 50%  
 SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR

PART 2

VISIBILITY AND SKY COVER SUMMARIES

IT OCCURRENCE FREQUENCY (POF).

ATIONS. THIS SUMMARY IS A BIVARIATE DISTRIBUTION  
CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET--  
CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES  
EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE  
AS FOLLOWS:

AND TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

(1) ALL HOURS COMBINED).

(2) ALL HOURS COMBINED).

TOP OF THESE SUMMARIES, IT IS POSSIBLE TO  
OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING  
ITEMS SEPARATELY OR IN ANY COMBINATION.  
LEFT AND FROM BOTTOM TO TOP. TO DETERMINE  
EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY).  
TO REFER TO THE BOTTOM ROW (ZERO CEILINGS).  
EXCEEDS ANY GIVEN SET OF MAXIMUM BY READING  
THE APPROPRIATE CEILING ROW AND VISIBILITY

THE STATIONS BEGAN REPORTING VISIBILITIES TO 5 STATUTE  
MILES EXCEEDING 5000 METERS ARE REPORTED AS "9999."

ALL STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER  
THE 5000 FEET CLASS.

= 1,000.344 METERS = .669301 NAUTICAL MILES.  
USION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

THE FREQUENCY.

OBSERVATIONS. THIS SUMMARY GIVES PERCENTAGE  
OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT  
BY OVERCAST, PARTIALLY OVERCAST, OR TOTALLY  
ITEMS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES  
THAT ONE-HALF (I.E., 5/10). DATA IS SUMMARIZED IN  
C.

NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR  
1/8 THRU 4/8.....SCATTERED  
5/8 THRU 7/8.....BROKEN  
8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS," HOWEVER, ARE INCLUDED.



OPERATING LOCATION "A"  
USAFETAG, ASHTVILLE- NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
RPT. DUELY 1400Z 27/11/70

STATION NUMBER: 722270

STATION NAME: DORRINS AREA TA  
LST TO UTC: + 5

| .....    |                             |      |      |      |      |          |      |          |          |      |
|----------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|
| CEILING  | VISIBILITY IN STATUTE MILES |      |      |      |      |          |      |          |          |      |
| IN FEET  | GT 7                        | GE 5 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 |
| .....    |                             |      |      |      |      |          |      |          |          |      |
| NO CEIL  | 20.0                        | 20.0 | 20.0 | 20.0 | 20.0 | 20.0     | 20.0 | 20.0     | 20.0     | 20.0 |
| GE 20000 | 20.0                        | 20.0 | 20.0 | 20.0 | 20.0 | 20.0     | 20.0 | 20.0     | 20.0     | 20.0 |
| GE 18000 | 20.0                        | 20.0 | 20.0 | 20.0 | 20.0 | 20.0     | 20.0 | 20.0     | 20.0     | 20.0 |
| GE 16000 | 20.0                        | 20.0 | 20.0 | 20.0 | 20.0 | 20.0     | 20.0 | 20.0     | 20.0     | 20.0 |
| GE 14000 | 20.0                        | 20.0 | 20.0 | 20.0 | 20.0 | 20.0     | 20.0 | 20.0     | 20.0     | 20.0 |
| GE 12000 | 20.0                        | 20.0 | 20.0 | 20.0 | 20.0 | 20.0     | 20.0 | 20.0     | 20.0     | 20.0 |
| .....    |                             |      |      |      |      |          |      |          |          |      |
| GE 10000 | 30.0                        | 30.0 | 30.0 | 30.0 | 30.0 | 30.0     | 30.0 | 30.0     | 30.0     | 30.0 |
| GE 9000  | 30.0                        | 30.0 | 30.0 | 30.0 | 30.0 | 30.0     | 30.0 | 30.0     | 30.0     | 30.0 |
| GE 8000  | 30.0                        | 30.0 | 30.0 | 30.0 | 30.0 | 30.0     | 30.0 | 30.0     | 30.0     | 30.0 |
| GE 7000  | 30.0                        | 30.0 | 30.0 | 30.0 | 30.0 | 30.0     | 30.0 | 30.0     | 30.0     | 30.0 |
| GE 6000  | 30.0                        | 30.0 | 30.0 | 30.0 | 30.0 | 30.0     | 30.0 | 30.0     | 30.0     | 30.0 |
| .....    |                             |      |      |      |      |          |      |          |          |      |
| GE 5000  | 30.0                        | 30.0 | 30.0 | 30.0 | 30.0 | 30.0     | 30.0 | 30.0     | 30.0     | 30.0 |
| GE 4500  | 30.0                        | 30.0 | 30.0 | 30.0 | 30.0 | 30.0     | 30.0 | 30.0     | 30.0     | 30.0 |
| GE 4000  | 30.0                        | 30.0 | 30.0 | 30.0 | 30.0 | 30.0     | 30.0 | 30.0     | 30.0     | 30.0 |
| GE 3500  | 30.0                        | 30.0 | 30.0 | 30.0 | 30.0 | 30.0     | 30.0 | 30.0     | 30.0     | 30.0 |
| GE 3000  | 40.0                        | 40.0 | 40.0 | 40.0 | 40.0 | 40.0     | 40.0 | 40.0     | 40.0     | 40.0 |
| .....    |                             |      |      |      |      |          |      |          |          |      |
| GE 2500  | 45.0                        | 45.0 | 45.0 | 45.0 | 45.0 | 45.0     | 45.0 | 45.0     | 45.0     | 45.0 |
| GE 2000  | 50.0                        | 50.0 | 50.0 | 50.0 | 50.0 | 50.0     | 50.0 | 50.0     | 50.0     | 50.0 |
| GE 1800  | 50.0                        | 50.0 | 50.0 | 50.0 | 50.0 | 50.0     | 50.0 | 50.0     | 50.0     | 50.0 |
| GE 1500  | 55.0                        | 55.0 | 55.0 | 55.0 | 55.0 | 55.0     | 55.0 | 55.0     | 55.0     | 55.0 |
| GE 1200  | 55.0                        | 55.0 | 55.0 | 55.0 | 55.0 | 55.0     | 55.0 | 55.0     | 55.0     | 55.0 |
| .....    |                             |      |      |      |      |          |      |          |          |      |
| GE 1000  | 55.0                        | 55.0 | 55.0 | 55.0 | 55.0 | 55.0     | 55.0 | 55.0     | 55.0     | 55.0 |
| GE 900   | 55.0                        | 55.0 | 55.0 | 55.0 | 55.0 | 55.0     | 55.0 | 55.0     | 55.0     | 55.0 |
| GE 800   | 55.0                        | 55.0 | 55.0 | 55.0 | 55.0 | 55.0     | 55.0 | 55.0     | 55.0     | 55.0 |
| GE 700   | 55.0                        | 55.0 | 55.0 | 55.0 | 55.0 | 55.0     | 55.0 | 55.0     | 55.0     | 55.0 |
| GE 600   | 55.0                        | 55.0 | 55.0 | 55.0 | 55.0 | 55.0     | 55.0 | 55.0     | 55.0     | 55.0 |
| .....    |                             |      |      |      |      |          |      |          |          |      |
| GE 500   | 55.0                        | 55.0 | 55.0 | 55.0 | 55.0 | 55.0     | 55.0 | 55.0     | 55.0     | 55.0 |
| GE 400   | 55.0                        | 55.0 | 55.0 | 55.0 | 55.0 | 55.0     | 55.0 | 55.0     | 55.0     | 55.0 |
| GE 300   | 55.0                        | 55.0 | 55.0 | 55.0 | 55.0 | 55.0     | 55.0 | 55.0     | 55.0     | 55.0 |
| GE 200   | 55.0                        | 55.0 | 55.0 | 55.0 | 55.0 | 55.0     | 55.0 | 55.0     | 55.0     | 55.0 |
| GE 100   | 55.0                        | 55.0 | 55.0 | 55.0 | 55.0 | 55.0     | 55.0 | 55.0     | 55.0     | 55.0 |
| .....    |                             |      |      |      |      |          |      |          |          |      |
| GE 000   | 55.0                        | 55.0 | 55.0 | 55.0 | 55.0 | 55.0     | 55.0 | 55.0     | 55.0     | 55.0 |
| .....    |                             |      |      |      |      |          |      |          |          |      |

TOTAL NUMBER OF OBSERVATIONS 20

AGENCY OF SUPPORT OF DE GRADING WORKS VISIBILITY  
IN THE CITY OF CHICAGO

PERIOD OF RECORD: JUN 75 - MAY 76

4014: JAN 1995: 99-02

[illegible]

OPERATING LOCATION "A"  
USAFHAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM JULY 1957 TO

STATION NUMBER: 722270

STATION NAME: COMBINS ASPH OA  
LST TO NYC: + 5

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | 0<br>7 | 0<br>6 | 0<br>5 | 0<br>4 | 0<br>3 | 0<br>2 1/2 | 0<br>2 | 0<br>1 1/2 | 0<br>1 1/4 |
|------------|--------|--------|--------|--------|--------|------------|--------|------------|------------|
| NO CEIL    | 49.2   | 49.3   | 49.5   | 50.4   | 51.5   | 51.5       | 51.5   | 51.5       | 51.5       |
| 01 20000   | 50.0   | 51.1   | 51.5   | 52.2   | 53.3   | 53.3       | 53.3   | 53.3       | 53.3       |
| 02 18000   | 50.0   | 51.1   | 51.5   | 52.2   | 53.3   | 53.3       | 53.3   | 53.3       | 53.3       |
| 03 16000   | 50.0   | 51.1   | 51.5   | 52.2   | 53.3   | 53.3       | 53.3   | 53.3       | 53.3       |
| 04 14000   | 50.7   | 51.3   | 52.2   | 52.9   | 54.0   | 54.0       | 54.0   | 54.0       | 54.0       |
| 05 12000   | 50.7   | 51.3   | 52.2   | 52.9   | 54.0   | 54.0       | 54.0   | 54.0       | 54.0       |
| 06 10000   | 52.6   | 53.5   | 54.0   | 54.7   | 55.7   | 55.7       | 55.7   | 55.7       | 55.7       |
| 07 9000    | 53.3   | 54.4   | 54.7   | 55.5   | 56.5   | 56.5       | 56.5   | 56.5       | 56.5       |
| 08 8000    | 54.7   | 55.3   | 55.5   | 57.3   | 58.4   | 58.4       | 58.4   | 58.4       | 58.4       |
| 09 7000    | 54.7   | 55.3   | 55.5   | 57.3   | 58.4   | 58.4       | 58.4   | 58.4       | 58.4       |
| 10 6000    | 55.5   | 56.5   | 57.3   | 58.0   | 59.1   | 59.1       | 59.1   | 59.1       | 59.1       |
| 11 5000    | 55.5   | 57.7   | 58.3   | 59.5   | 60.5   | 60.5       | 60.5   | 60.5       | 60.5       |
| 12 4500    | 55.9   | 58.4   | 59.5   | 60.2   | 61.3   | 61.3       | 61.3   | 61.3       | 61.3       |
| 13 4000    | 55.9   | 59.9   | 62.0   | 62.9   | 63.9   | 63.9       | 63.9   | 63.9       | 63.9       |
| 14 3500    | 56.3   | 62.3   | 63.9   | 64.5   | 65.7   | 65.7       | 65.7   | 65.7       | 65.7       |
| 15 3000    | 57.3   | 64.5   | 65.7   | 65.8   | 67.2   | 67.2       | 67.2   | 67.2       | 67.2       |
| 16 2500    | 63.2   | 65.9   | 67.0   | 68.5   | 70.4   | 70.4       | 70.4   | 70.4       | 70.4       |
| 17 2000    | 67.9   | 69.7   | 70.5   | 71.5   | 73.4   | 73.4       | 73.4   | 73.4       | 73.4       |
| 18 1800    | 68.5   | 70.3   | 71.9   | 73.0   | 74.3   | 74.3       | 74.3   | 74.3       | 74.3       |
| 19 1600    | 70.4   | 73.0   | 74.1   | 75.2   | 77.0   | 77.7       | 77.7   | 77.7       | 77.7       |
| 20 1200    | 70.3   | 74.1   | 75.2   | 76.3   | 78.5   | 79.2       | 79.2   | 79.2       | 79.2       |
| 21 1000    | 71.5   | 74.4   | 76.3   | 77.4   | 79.4   | 80.3       | 80.3   | 80.3       | 80.3       |
| 22 900     | 71.5   | 74.5   | 76.3   | 77.7   | 79.9   | 80.7       | 80.7   | 80.7       | 80.7       |
| 23 800     | 71.5   | 74.5   | 76.5   | 78.5   | 81.0   | 81.5       | 82.1   | 82.1       | 82.1       |
| 24 700     | 71.9   | 75.5   | 77.7   | 80.3   | 82.5   | 83.5       | 83.3   | 83.0       | 83.0       |
| 25 600     | 72.3   | 76.3   | 78.5   | 82.5   | 85.0   | 85.3       | 85.1   | 85.1       | 85.1       |
| 26 500     | 73.9   | 77.0   | 79.5   | 83.2   | 85.5   | 85.5       | 85.9   | 85.5       | 85.5       |
| 27 400     | 73.0   | 77.0   | 80.3   | 84.3   | 87.5   | 89.1       | 89.1   | 89.5       | 89.5       |
| 28 300     | 73.0   | 77.0   | 80.3   | 84.3   | 89.4   | 90.5       | 92.3   | 93.5       | 93.5       |
| 29 200     | 73.0   | 77.0   | 80.3   | 84.3   | 89.3   | 90.9       | 92.7   | 94.0       | 94.0       |
| 30 100     | 73.0   | 77.0   | 80.3   | 84.3   | 89.3   | 90.9       | 93.1   | 95.3       | 95.3       |
| 31 000     | 73.0   | 77.0   | 80.3   | 84.3   | 89.3   | 90.9       | 93.1   | 95.3       | 95.3       |

TOTAL NUMBER OF OBSERVATIONS 274

### FREQUENCY OF OCCURRENCE OF CHILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUN 72 - MAY 73

MONTH: JAN      DAYS: 03-05

[illegible]

OPERATING LOCATION "A"  
USAF TAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM 4000LY 0500Z

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>5 | GE<br>3 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 44.3                        | 45.3    | 46.3    | 47.2    | 47.7    | 47.2        | 48.1    | 48.1        | 48.1        |
| GE 20000              | 47.7                        | 48.9    | 49.3    | 50.7    | 51.3    | 51.5        | 51.3    | 51.3        | 51.3        |
| GE 18000              | 47.7                        | 48.9    | 49.3    | 50.7    | 51.3    | 51.5        | 51.3    | 51.3        | 51.3        |
| GE 16000              | 47.7                        | 48.9    | 49.3    | 50.7    | 51.3    | 51.5        | 51.3    | 51.3        | 51.3        |
| GE 14000              | 48.2                        | 49.7    | 50.6    | 51.5    | 52.1    | 52.3        | 52.5    | 52.5        | 52.5        |
| GE 12000              | 48.2                        | 50.4    | 51.3    | 52.2    | 52.8    | 53.0        | 53.2    | 53.2        | 53.2        |
| GE 10000              | 50.4                        | 52.0    | 52.2    | 53.3    | 54.4    | 54.5        | 54.8    | 54.8        | 54.8        |
| GE 9000               | 51.0                        | 52.5    | 53.4    | 54.4    | 54.9    | 55.1        | 55.4    | 55.4        | 55.4        |
| GE 8000               | 52.5                        | 54.1    | 55.1    | 56.0    | 56.5    | 56.3        | 57.1    | 57.1        | 57.1        |
| GE 7000               | 53.1                        | 54.7    | 55.7    | 56.6    | 57.2    | 57.4        | 57.6    | 57.6        | 57.6        |
| GE 6000               | 53.3                        | 55.4    | 56.4    | 57.3    | 57.7    | 58.1        | 58.3    | 58.3        | 58.3        |
| GE 5000               | 55.0                        | 56.6    | 57.7    | 58.6    | 59.2    | 59.4        | 59.7    | 59.7        | 59.7        |
| GE 4500               | 55.7                        | 57.3    | 58.4    | 59.3    | 59.7    | 60.1        | 60.3    | 60.3        | 60.3        |
| GE 4000               | 57.7                        | 59.3    | 60.7    | 61.5    | 62.3    | 62.5        | 62.8    | 62.9        | 62.9        |
| GE 3500               | 58.9                        | 60.5    | 61.8    | 62.7    | 63.5    | 63.8        | 64.1    | 64.2        | 64.2        |
| GE 3000               | 59.5                        | 62.4    | 63.7    | 64.7    | 65.3    | 65.1        | 65.3    | 65.4        | 65.4        |
| GE 2500               | 62.0                        | 64.1    | 65.3    | 66.7    | 68.0    | 68.5        | 68.7    | 68.9        | 68.9        |
| GE 2000               | 64.5                        | 66.7    | 68.5    | 69.7    | 70.3    | 71.4        | 71.5    | 72.0        | 72.1        |
| GE 1800               | 65.2                        | 66.4    | 70.4    | 71.5    | 72.2    | 73.3        | 73.5    | 73.7        | 74.0        |
| GE 1500               | 67.5                        | 70.2    | 72.3    | 73.8    | 75.0    | 75.6        | 75.3    | 76.2        | 76.3        |
| GE 1200               | 69.0                        | 72.0    | 74.4    | 75.9    | 77.3    | 77.9        | 78.1    | 78.4        | 78.5        |
| GE 1000               | 69.5                        | 72.7    | 75.5    | 77.1    | 78.3    | 79.4        | 79.3    | 80.1        | 80.2        |
| GE 900                | 69.9                        | 73.2    | 76.4    | 78.1    | 79.3    | 80.5        | 81.0    | 81.4        | 81.5        |
| GE 800                | 70.3                        | 73.7    | 77.1    | 78.7    | 80.9    | 81.5        | 82.1    | 82.5        | 82.5        |
| GE 700                | 70.3                        | 74.4    | 78.2    | 80.3    | 82.3    | 83.4        | 84.2    | 84.5        | 84.5        |
| GE 600                | 70.3                        | 74.5    | 78.3    | 81.5    | 84.5    | 85.3        | 85.1    | 85.4        | 85.6        |
| GE 500                | 70.5                        | 74.9    | 79.3    | 82.1    | 85.5    | 86.4        | 87.5    | 88.1        | 88.2        |
| GE 400                | 70.7                        | 75.0    | 79.7    | 82.2    | 87.5    | 88.2        | 90.1    | 90.7        | 90.8        |
| GE 300                | 70.8                        | 75.1    | 79.9    | 83.4    | 88.5    | 89.5        | 92.3    | 93.7        | 93.8        |
| GE 200                | 70.8                        | 75.1    | 80.0    | 83.5    | 88.3    | 89.9        | 92.3    | 94.7        | 94.9        |
| GE 100                | 70.3                        | 75.1    | 80.0    | 83.5    | 88.8    | 89.9        | 92.9    | 94.8        | 95.0        |
| GE 000                | 70.3                        | 75.1    | 80.0    | 83.5    | 88.3    | 89.3        | 92.9    | 94.8        | 95.0        |

TOTAL NUMBER OF OBSERVATIONS 345

H

0 - 2 - 3

# FREQUENCY OF OCCURRENCE OF CLILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

MA 6A PERIOD OF RECORD: JUN 75 - MAY 83  
MONTH: JAN HOURS: 06-08

| .....                       |       |       |      |      |      |      |      |      |       |
|-----------------------------|-------|-------|------|------|------|------|------|------|-------|
| VISIBILITY IN STATUTE MILES |       |       |      |      |      |      |      |      |       |
| GE                          | GE    | GE    | GE   | GE   | GE   | GE   | GE   | GE   | GE    |
| 2                           | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/8  | 1/4  | 0     |
| .....                       |       |       |      |      |      |      |      |      |       |
| 48.1                        | 48.1  | 48.1  | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1  |
| 51.3                        | 51.3  | 51.3  | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3  |
| 51.3                        | 51.3  | 51.3  | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3  |
| 51.3                        | 51.3  | 51.3  | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3  |
| 52.5                        | 52.5  | 52.5  | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5  |
| 53.2                        | 53.2  | 53.2  | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  |
| 54.3                        | 54.3  | 54.3  | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3  |
| 55.4                        | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4  |
| 57.1                        | 57.1  | 57.1  | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1  |
| 57.5                        | 57.5  | 57.5  | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5  |
| 58.3                        | 58.3  | 58.3  | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3  |
| 59.7                        | 59.7  | 59.7  | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7  |
| 60.3                        | 60.3  | 60.3  | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3  |
| 62.9                        | 62.9  | 62.9  | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9  |
| 64.2                        | 64.2  | 64.2  | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2  |
| 65.4                        | 65.4  | 65.4  | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4  |
| 69.2                        | 69.2  | 69.2  | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2  |
| 71.5                        | 72.0  | 72.1  | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2  |
| 73.5                        | 73.9  | 74.0  | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1  |
| 75.3                        | 75.2  | 75.3  | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4  |
| 75.1                        | 75.4  | 75.5  | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6  |
| 79.3                        | 80.1  | 80.2  | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3  |
| 81.3                        | 81.4  | 81.5  | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5  |
| 82.1                        | 82.5  | 82.5  | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7  |
| 84.2                        | 84.5  | 84.5  | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7  |
| 85.1                        | 85.4  | 85.5  | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7  |
| 87.5                        | 88.1  | 88.2  | 88.5 | 88.5 | 88.5 | 88.7 | 88.7 | 88.7 | 88.7  |
| 90.1                        | 90.7  | 90.8  | 91.3 | 91.4 | 91.4 | 91.8 | 91.9 | 91.9 | 91.9  |
| 92.3                        | 93.7  | 93.8  | 94.2 | 94.4 | 94.4 | 94.8 | 94.9 | 95.0 | 95.0  |
| 92.7                        | 94.7  | 94.9  | 95.5 | 95.2 | 95.3 | 97.4 | 97.9 | 98.1 | 98.1  |
| 92.9                        | 94.8  | 95.0  | 95.8 | 95.7 | 95.8 | 98.1 | 98.5 | 99.1 | 99.2  |
| 92.9                        | 94.8  | 95.0  | 95.8 | 95.8 | 96.9 | 98.2 | 98.9 | 99.4 | 100.0 |
| .....                       |       |       |      |      |      |      |      |      |       |

OPERATING LOCATION "AW"  
USAF-TAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

| CEILING  |      |      |      |      | VISIBILITY IN STATUTE MILES |       |      |       |       |
|----------|------|------|------|------|-----------------------------|-------|------|-------|-------|
| IN       | GE   | GE   | GE   | GE   | GE                          | GE    | GE   | GE    | GE    |
| FEET     | 7    | 5    | 5    | 4    | 3                           | 2 1/2 | 2    | 1 1/2 | 1 1/4 |
| NO CEIL  | 41.4 | 44.1 | 45.1 | 45.4 | 45.9                        | 45.9  | 46.0 | 46.0  | 46.0  |
| GE 20000 | 46.5 | 49.9 | 51.0 | 51.4 | 52.0                        | 52.0  | 52.1 | 52.1  | 52.1  |
| GE 18000 | 46.7 | 50.3 | 51.3 | 51.8 | 52.3                        | 52.3  | 52.4 | 52.4  | 52.4  |
| GE 16000 | 46.9 | 50.3 | 51.3 | 51.8 | 52.3                        | 52.3  | 52.4 | 52.4  | 52.4  |
| GE 14000 | 47.1 | 50.5 | 51.5 | 52.1 | 52.3                        | 52.9  | 52.7 | 52.9  | 52.7  |
| GE 12000 | 47.3 | 50.7 | 51.8 | 52.4 | 53.1                        | 53.1  | 53.2 | 53.2  | 53.2  |
| GE 10000 | 48.4 | 52.9 | 54.2 | 54.9 | 55.6                        | 55.6  | 55.7 | 55.7  | 55.7  |
| GE 9000  | 50.1 | 53.5 | 54.9 | 55.5 | 55.3                        | 55.3  | 55.4 | 55.4  | 55.4  |
| GE 8000  | 50.5 | 55.2 | 57.7 | 58.4 | 59.2                        | 59.2  | 59.3 | 59.3  | 59.3  |
| GE 7000  | 53.1 | 56.7 | 58.3 | 59.0 | 59.3                        | 59.8  | 59.9 | 59.9  | 59.9  |
| GE 6000  | 53.5 | 57.2 | 58.8 | 59.4 | 59.2                        | 60.2  | 60.3 | 60.3  | 60.3  |
| GE 5000  | 54.2 | 57.9 | 59.4 | 60.1 | 61.0                        | 61.0  | 61.1 | 61.1  | 61.1  |
| GE 4500  | 54.7 | 58.4 | 60.1 | 60.4 | 61.7                        | 61.7  | 61.3 | 61.2  | 61.3  |
| GE 4000  | 54.2 | 60.0 | 61.7 | 62.5 | 63.4                        | 63.4  | 63.5 | 63.7  | 63.7  |
| GE 3500  | 55.7 | 60.7 | 62.4 | 63.2 | 64.1                        | 64.1  | 64.3 | 64.4  | 64.4  |
| GE 3000  | 57.0 | 62.1 | 63.3 | 64.5 | 65.5                        | 65.5  | 65.9 | 66.0  | 66.0  |
| GE 2500  | 59.2 | 64.5 | 66.4 | 67.3 | 68.4                        | 68.5  | 69.0 | 69.3  | 69.4  |
| GE 2000  | 61.3 | 65.8 | 68.8 | 69.7 | 70.7                        | 71.0  | 71.5 | 71.8  | 71.7  |
| GE 1800  | 62.3 | 67.3 | 69.3 | 70.7 | 71.3                        | 72.0  | 72.5 | 72.5  | 72.2  |
| GE 1600  | 65.4 | 70.5 | 73.1 | 74.2 | 75.3                        | 75.5  | 75.9 | 75.6  | 75.8  |
| GE 1400  | 67.3 | 73.1 | 75.7 | 75.5 | 77.4                        | 78.1  | 78.5 | 79.3  | 79.5  |
| GE 1200  | 68.1 | 74.0 | 75.3 | 73.2 | 79.2                        | 79.4  | 80.1 | 80.7  | 81.0  |
| GE 1000  | 68.2 | 74.4 | 77.4 | 73.9 | 80.1                        | 80.3  | 81.1 | 81.7  | 82.0  |
| GE 900   | 68.4 | 74.5 | 78.0 | 77.5 | 81.1                        | 81.5  | 82.5 | 83.4  | 83.7  |
| GE 800   | 68.5 | 74.7 | 78.3 | 80.0 | 82.3                        | 82.7  | 83.2 | 84.5  | 85.0  |
| GE 700   | 68.9 | 75.0 | 73.5 | 80.7 | 83.3                        | 83.7  | 85.1 | 86.3  | 86.3  |
| GE 600   | 69.3 | 75.5 | 79.3 | 81.5 | 84.5                        | 85.5  | 87.5 | 89.0  | 89.5  |
| GE 500   | 69.3 | 75.5 | 79.4 | 81.5 | 85.5                        | 86.7  | 89.5 | 91.5  | 92.1  |
| GE 400   | 69.4 | 75.5 | 79.3 | 82.3 | 86.3                        | 87.5  | 90.3 | 93.3  | 93.9  |
| GE 300   | 69.4 | 75.5 | 79.3 | 82.3 | 86.4                        | 87.7  | 91.0 | 93.4  | 94.1  |
| GE 200   | 69.4 | 75.5 | 79.3 | 82.3 | 86.4                        | 87.7  | 91.0 | 93.4  | 94.1  |
| GE 100   | 69.4 | 75.5 | 79.3 | 82.3 | 86.4                        | 87.7  | 91.0 | 93.4  | 94.1  |

TOTAL NUMBER OF OBSERVATIONS 365

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

| STATION                  |       | PERIOD OF RECORD: JUN 73 - MAY 83 |       |       |       |       |       |       |       |       |
|--------------------------|-------|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|                          |       | MONTH: JAN GROUPS: 09-11          |       |       |       |       |       |       |       |       |
| .....                    |       |                                   |       |       |       |       |       |       |       |       |
| CEILING IN STATUTE MILES |       |                                   |       |       |       |       |       |       |       |       |
| CEILING                  | 0     | 01                                | 02    | 03    | 05    | 06    | 08    | 09    | 10    | 100   |
| FEET                     | 0     | 1 1/2                             | 1 1/4 | 1     | 3/4   | 5/8   | 1/2   | 3/8   | 1/4   | 0     |
| .....                    |       |                                   |       |       |       |       |       |       |       |       |
| 0                        | 45.0  | 45.0                              | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  | 45.0  |
| 1                        | 52.1  | 52.1                              | 52.1  | 52.1  | 52.1  | 52.1  | 52.1  | 52.1  | 52.1  | 52.1  |
| 2                        | 52.4  | 52.4                              | 52.4  | 52.4  | 52.4  | 52.4  | 52.4  | 52.4  | 52.4  | 52.4  |
| 3                        | 52.4  | 52.4                              | 52.4  | 52.4  | 52.4  | 52.4  | 52.4  | 52.4  | 52.4  | 52.4  |
| 4                        | 52.9  | 52.9                              | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  |
| 5                        | 53.2  | 53.2                              | 53.2  | 53.2  | 53.2  | 53.2  | 53.2  | 53.2  | 53.2  | 53.2  |
| 6                        | 55.7  | 55.7                              | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  |
| 7                        | 55.4  | 55.4                              | 55.4  | 55.4  | 55.4  | 55.4  | 55.4  | 55.4  | 55.4  | 55.4  |
| 8                        | 59.3  | 59.3                              | 59.3  | 59.3  | 59.3  | 59.3  | 59.3  | 59.3  | 59.3  | 59.3  |
| 9                        | 59.9  | 59.9                              | 59.9  | 59.9  | 59.9  | 59.9  | 59.9  | 59.9  | 59.9  | 59.9  |
| 10                       | 60.3  | 60.3                              | 60.3  | 60.3  | 60.3  | 60.3  | 60.3  | 60.3  | 60.3  | 60.3  |
| 11                       | 61.1  | 61.1                              | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  | 61.1  |
| 12                       | 61.3  | 61.3                              | 61.3  | 61.3  | 61.3  | 61.3  | 61.3  | 61.3  | 61.3  | 61.3  |
| 13                       | 63.7  | 63.7                              | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  | 63.7  |
| 14                       | 64.3  | 64.3                              | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  |
| 15                       | 65.0  | 65.0                              | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  |
| 16                       | 69.3  | 69.3                              | 69.3  | 69.3  | 69.3  | 69.3  | 69.3  | 69.3  | 69.3  | 69.3  |
| 17                       | 71.5  | 71.5                              | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  |
| 18                       | 72.5  | 72.5                              | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  |
| 19                       | 73.0  | 73.0                              | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  |
| 20                       | 75.0  | 75.0                              | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  |
| 21                       | 77.1  | 77.1                              | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  | 77.1  |
| 22                       | 79.3  | 79.3                              | 79.3  | 79.3  | 79.3  | 79.3  | 79.3  | 79.3  | 79.3  | 79.3  |
| 23                       | 80.1  | 80.1                              | 80.1  | 80.1  | 80.1  | 80.1  | 80.1  | 80.1  | 80.1  | 80.1  |
| 24                       | 81.1  | 81.1                              | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  |
| 25                       | 82.3  | 82.3                              | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  | 82.3  |
| 26                       | 83.7  | 83.7                              | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  |
| 27                       | 84.6  | 84.6                              | 84.6  | 84.6  | 84.6  | 84.6  | 84.6  | 84.6  | 84.6  | 84.6  |
| 28                       | 85.1  | 85.1                              | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  |
| 29                       | 87.5  | 87.5                              | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  |
| 30                       | 89.5  | 89.5                              | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  | 89.5  |
| 31                       | 91.5  | 91.5                              | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  | 91.5  |
| 32                       | 93.4  | 93.4                              | 93.4  | 93.4  | 93.4  | 93.4  | 93.4  | 93.4  | 93.4  | 93.4  |
| 33                       | 94.1  | 94.1                              | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  |
| 34                       | 95.7  | 95.7                              | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  |
| 35                       | 96.6  | 96.6                              | 96.6  | 96.6  | 96.6  | 96.6  | 96.6  | 96.6  | 96.6  | 96.6  |
| 36                       | 97.6  | 97.6                              | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  |
| 37                       | 98.1  | 98.1                              | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  |
| 38                       | 98.4  | 98.4                              | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  |
| 39                       | 99.0  | 99.0                              | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| 40                       | 99.5  | 99.5                              | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  |
| 41                       | 100.0 | 100.0                             | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| .....                    |       |                                   |       |       |       |       |       |       |       |       |



OPERATING LOCATION "A"  
USAFHAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM MONTHLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 43.0                        | 44.5    | 44.5    | 44.7    | 44.8    | 44.8        | 44.8    | 44.8        | 44.8        | 44.8    |
| GE 20000              | 51.1                        | 52.5    | 52.9    | 53.0    | 53.1    | 53.1        | 53.1    | 53.1        | 53.1        | 53.1    |
| GE 18000              | 51.1                        | 52.5    | 52.9    | 53.0    | 53.1    | 53.1        | 53.1    | 53.1        | 53.1        | 53.1    |
| GE 16000              | 51.2                        | 52.9    | 53.0    | 53.1    | 53.2    | 53.2        | 53.2    | 53.2        | 53.2        | 53.2    |
| GE 14000              | 51.3                        | 53.5    | 53.7    | 53.7    | 53.9    | 53.9        | 53.9    | 53.9        | 53.9        | 53.9    |
| GE 12000              | 53.0                        | 54.7    | 54.8    | 54.9    | 55.0    | 55.0        | 55.0    | 55.0        | 55.0        | 55.0    |
| GE 10000              | 56.5                        | 58.2    | 58.3    | 58.4    | 58.5    | 58.5        | 58.5    | 58.5        | 58.5        | 58.5    |
| GE 9000               | 56.7                        | 58.4    | 58.6    | 58.7    | 58.8    | 58.8        | 58.8    | 58.8        | 58.8        | 58.8    |
| GE 8000               | 58.8                        | 60.5    | 60.7    | 60.9    | 61.2    | 61.2        | 61.2    | 61.2        | 61.2        | 61.2    |
| GE 7000               | 59.7                        | 61.5    | 61.7    | 61.9    | 62.2    | 62.2        | 62.2    | 62.2        | 62.2        | 62.2    |
| GE 6000               | 59.9                        | 61.9    | 62.2    | 62.4    | 62.5    | 62.5        | 62.5    | 62.5        | 62.5        | 62.5    |
| GE 5000               | 61.0                        | 63.3    | 63.5    | 63.8    | 64.0    | 64.0        | 64.0    | 64.0        | 64.0        | 64.0    |
| GE 4500               | 61.2                        | 63.4    | 63.8    | 64.0    | 64.2    | 64.2        | 64.2    | 64.2        | 64.2        | 64.2    |
| GE 4000               | 62.1                        | 64.3    | 65.3    | 65.5    | 65.9    | 65.9        | 65.9    | 65.9        | 65.9        | 65.9    |
| GE 3500               | 63.5                        | 66.4    | 67.0    | 67.3    | 67.5    | 67.5        | 67.5    | 67.5        | 67.5        | 67.5    |
| GE 3000               | 65.0                        | 68.5    | 69.3    | 69.5    | 69.8    | 69.8        | 69.8    | 70.0        | 70.0        | 70.0    |
| GE 2500               | 68.0                        | 70.8    | 71.5    | 71.8    | 72.4    | 72.4        | 72.4    | 72.5        | 72.5        | 72.5    |
| GE 2000               | 70.5                        | 74.1    | 74.9    | 75.2    | 75.6    | 75.6        | 75.6    | 75.9        | 75.9        | 75.9    |
| GE 1800               | 71.1                        | 74.7    | 75.5    | 75.7    | 76.5    | 76.5        | 76.5    | 76.8        | 76.8        | 76.8    |
| GE 1600               | 74.1                        | 78.1    | 79.2    | 79.6    | 80.2    | 80.2        | 80.2    | 80.4        | 80.5        | 80.5    |
| GE 1200               | 75.8                        | 80.5    | 81.8    | 82.4    | 83.2    | 83.2        | 83.2    | 83.5        | 83.7        | 83.7    |
| GE 1000               | 76.3                        | 81.7    | 83.1    | 83.9    | 84.3    | 84.3        | 84.3    | 85.1        | 85.3        | 85.3    |
| GE 900                | 76.5                        | 82.1    | 83.7    | 84.5    | 85.0    | 85.0        | 85.1    | 85.3        | 85.5        | 85.5    |
| GE 800                | 76.9                        | 82.3    | 83.9    | 84.9    | 85.3    | 85.4        | 85.5    | 85.9        | 87.1        | 87.1    |
| GE 700                | 77.0                        | 82.5    | 84.4    | 85.4    | 87.1    | 87.2        | 87.4    | 87.7        | 87.9        | 87.9    |
| GE 600                | 77.1                        | 82.9    | 84.8    | 85.1    | 87.0    | 87.2        | 87.4    | 89.0        | 89.4        | 89.4    |
| GE 500                | 77.1                        | 83.0    | 85.2    | 85.5    | 85.9    | 89.1        | 90.9    | 92.1        | 92.5        | 92.5    |
| GE 400                | 77.1                        | 83.0    | 85.3    | 85.9    | 89.3    | 90.9        | 92.5    | 94.5        | 95.1        | 95.1    |
| GE 300                | 77.1                        | 83.0    | 85.3    | 85.9    | 89.9    | 91.3        | 93.5    | 95.1        | 95.5        | 95.5    |
| GE 200                | 77.1                        | 83.0    | 85.3    | 85.9    | 89.9    | 91.3        | 93.5    | 95.1        | 95.5        | 95.5    |
| GE 100                | 77.1                        | 83.0    | 85.3    | 85.9    | 89.9    | 91.3        | 93.5    | 95.1        | 95.5        | 95.5    |
| GE 000                | 77.1                        | 83.0    | 85.3    | 85.9    | 89.9    | 91.3        | 93.5    | 95.1        | 95.5        | 95.5    |

TOTAL NUMBER OF OBSERVATIONS 893

F

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: 54 PERIOD OF RECORD: JUN 78 - MAY 84  
MONTH: JAN HOURS: 12-14

CEILING IN STATUTE MILES

| 0    | GE<br>0 | GE<br>1/4 | GE<br>1/2 | GE<br>3/4 | GE<br>1 | GE<br>1 1/4 | GE<br>1 1/2 | GE<br>1 3/4 | GE<br>2 | GE<br>3 |
|------|---------|-----------|-----------|-----------|---------|-------------|-------------|-------------|---------|---------|
| 44.2 | 44.3    | 44.3      | 44.4      | 44.5      | 44.8    | 44.8        | 44.8        | 44.8        | 44.8    | 44.8    |
| 53.1 | 53.1    | 53.1      | 53.1      | 53.1      | 53.1    | 53.1        | 53.1        | 53.1        | 53.1    | 53.1    |
| 53.1 | 53.1    | 53.1      | 53.1      | 53.1      | 53.1    | 53.1        | 53.1        | 53.1        | 53.1    | 53.1    |
| 53.2 | 53.2    | 53.2      | 53.2      | 53.2      | 53.2    | 53.2        | 53.2        | 53.2        | 53.2    | 53.2    |
| 53.2 | 53.2    | 53.2      | 53.2      | 53.2      | 53.2    | 53.2        | 53.2        | 53.2        | 53.2    | 53.2    |
| 55.0 | 55.0    | 55.0      | 55.0      | 55.0      | 55.0    | 55.0        | 55.0        | 55.0        | 55.0    | 55.0    |
| 58.5 | 58.5    | 58.5      | 58.5      | 58.5      | 58.5    | 58.5        | 58.5        | 58.5        | 58.5    | 58.5    |
| 58.5 | 58.5    | 58.5      | 58.5      | 58.5      | 58.5    | 58.5        | 58.5        | 58.5        | 58.5    | 58.5    |
| 61.2 | 61.2    | 61.2      | 61.2      | 61.2      | 61.2    | 61.2        | 61.2        | 61.2        | 61.2    | 61.2    |
| 62.2 | 62.2    | 62.2      | 62.2      | 62.2      | 62.2    | 62.2        | 62.2        | 62.2        | 62.2    | 62.2    |
| 62.5 | 62.5    | 62.5      | 62.5      | 62.5      | 62.5    | 62.5        | 62.5        | 62.5        | 62.5    | 62.5    |
| 64.0 | 64.0    | 64.0      | 64.0      | 64.0      | 64.0    | 64.0        | 64.0        | 64.0        | 64.0    | 64.0    |
| 64.2 | 64.2    | 64.2      | 64.2      | 64.2      | 64.2    | 64.2        | 64.2        | 64.2        | 64.2    | 64.2    |
| 65.0 | 65.0    | 65.0      | 65.0      | 65.0      | 65.0    | 65.0        | 65.0        | 65.0        | 65.0    | 65.0    |
| 67.5 | 67.5    | 67.5      | 67.5      | 67.5      | 67.5    | 67.5        | 67.5        | 67.5        | 67.5    | 67.5    |
| 70.3 | 70.0    | 70.0      | 70.1      | 70.1      | 70.1    | 70.1        | 70.1        | 70.1        | 70.1    | 70.1    |
| 72.5 | 72.5    | 72.5      | 72.7      | 72.7      | 72.7    | 72.7        | 72.7        | 72.7        | 72.7    | 72.7    |
| 75.5 | 75.0    | 75.1      | 75.3      | 75.3      | 75.3    | 75.3        | 75.3        | 75.3        | 75.3    | 75.3    |
| 75.5 | 75.5    | 75.9      | 77.1      | 77.1      | 77.1    | 77.1        | 77.1        | 77.1        | 77.1    | 77.1    |
| 80.2 | 80.4    | 80.5      | 80.7      | 80.7      | 80.7    | 80.7        | 80.7        | 80.7        | 80.7    | 80.7    |
| 83.2 | 83.5    | 83.7      | 83.9      | 84.0      | 84.0    | 84.0        | 84.0        | 84.0        | 84.0    | 84.0    |
| 85.5 | 85.1    | 85.3      | 85.5      | 85.5      | 85.5    | 85.5        | 85.5        | 85.5        | 85.5    | 85.5    |
| 85.1 | 85.3    | 85.5      | 85.7      | 85.9      | 85.9    | 85.9        | 85.9        | 85.9        | 85.9    | 85.9    |
| 85.5 | 85.9    | 87.1      | 87.5      | 87.4      | 87.4    | 87.4        | 87.4        | 87.4        | 87.4    | 87.4    |
| 87.4 | 87.7    | 87.9      | 88.1      | 88.2      | 88.2    | 88.2        | 88.2        | 88.2        | 88.2    | 88.2    |
| 89.6 | 89.0    | 89.4      | 89.5      | 89.7      | 89.7    | 89.7        | 89.7        | 89.7        | 89.7    | 89.7    |
| 93.9 | 92.1    | 92.5      | 92.8      | 92.9      | 92.9    | 93.0        | 93.0        | 93.0        | 93.0    | 93.0    |
| 95.5 | 94.5    | 95.1      | 95.6      | 95.9      | 95.9    | 95.9        | 95.9        | 95.9        | 95.9    | 95.9    |
| 95.5 | 95.1    | 95.3      | 95.1      | 95.4      | 95.4    | 95.5        | 95.5        | 95.5        | 95.5    | 95.5    |
| 93.5 | 95.1    | 95.9      | 93.1      | 93.4      | 93.5    | 93.8        | 93.2        | 93.2        | 93.2    | 93.5    |
| 93.5 | 95.1    | 95.3      | 93.1      | 93.4      | 93.5    | 93.9        | 93.4        | 93.7        | 93.7    | 100.0   |
| 93.5 | 95.1    | 95.3      | 93.1      | 93.4      | 93.5    | 93.9        | 93.4        | 93.7        | 93.7    | 100.0   |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA

LST TO UTC: + 5

| .....    |      |      |      |      |      | .....                       |      |       |       |      |
|----------|------|------|------|------|------|-----------------------------|------|-------|-------|------|
| CEILING  |      |      |      |      |      | VISIBILITY IN STATUTE MILES |      |       |       |      |
| IN       | GE   | GE   | GE   | GE   | GE   | GE                          | GE   | GE    | GE    |      |
| FEET     | 7    | 6    | 5    | 4    | 3    | 2 1/2                       | 2    | 1 1/2 | 1 1/4 |      |
| .....    |      |      |      |      |      |                             |      |       |       |      |
| NO CEIL  | 47.0 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5                        | 47.5 | 47.5  | 47.5  | 47.5 |
| GE 20000 | 54.1 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5                        | 54.5 | 54.5  | 54.5  | 54.5 |
| GE 18000 | 54.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3                        | 55.3 | 55.3  | 55.3  | 55.3 |
| GE 16000 | 54.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3                        | 55.3 | 55.3  | 55.3  | 55.3 |
| GE 14000 | 55.3 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7                        | 55.7 | 55.7  | 55.7  | 55.7 |
| GE 12000 | 55.9 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4                        | 55.4 | 55.4  | 55.4  | 55.4 |
| GE 10000 | 59.9 | 60.4 | 60.4 | 60.5 | 60.5 | 60.5                        | 60.5 | 60.5  | 60.5  | 60.5 |
| GE 9000  | 60.2 | 60.7 | 60.7 | 60.8 | 60.8 | 60.8                        | 60.8 | 60.8  | 60.8  | 60.8 |
| GE 8000  | 63.5 | 64.1 | 64.1 | 64.2 | 64.3 | 64.3                        | 64.3 | 64.6  | 64.7  | 64.7 |
| GE 7000  | 64.9 | 65.3 | 65.3 | 65.5 | 65.5 | 65.5                        | 65.5 | 65.8  | 65.9  | 65.9 |
| GE 6000  | 65.5 | 65.0 | 65.0 | 65.1 | 65.3 | 65.3                        | 65.3 | 65.5  | 65.5  | 65.5 |
| GE 5000  | 66.5 | 67.0 | 67.0 | 67.2 | 67.3 | 67.3                        | 67.3 | 67.5  | 67.6  | 67.6 |
| GE 4500  | 66.5 | 67.2 | 67.2 | 67.3 | 67.4 | 67.4                        | 67.4 | 67.6  | 67.7  | 67.7 |
| GE 4000  | 67.5 | 68.5 | 68.5 | 68.5 | 68.9 | 69.0                        | 69.0 | 69.2  | 69.5  | 69.5 |
| GE 3500  | 68.9 | 69.3 | 70.0 | 70.1 | 70.3 | 70.4                        | 70.4 | 70.7  | 71.3  | 71.3 |
| GE 3000  | 72.1 | 73.0 | 73.3 | 73.4 | 73.7 | 74.0                        | 74.0 | 74.2  | 74.3  | 74.3 |
| GE 2500  | 74.7 | 75.3 | 75.0 | 75.3 | 75.3 | 77.0                        | 77.2 | 77.7  | 77.3  | 77.3 |
| GE 2000  | 75.4 | 77.7 | 78.1 | 78.9 | 79.7 | 80.0                        | 80.2 | 80.6  | 80.7  | 80.7 |
| GE 1800  | 76.3 | 78.0 | 78.5 | 79.3 | 80.2 | 80.5                        | 80.7 | 81.2  | 81.3  | 81.3 |
| GE 1600  | 78.5 | 80.1 | 80.9 | 81.9 | 83.0 | 83.4                        | 83.5 | 84.1  | 84.3  | 84.3 |
| GE 1400  | 80.1 | 82.1 | 83.0 | 84.1 | 85.3 | 85.7                        | 85.9 | 86.5  | 86.5  | 86.5 |
| GE 1200  | 80.9 | 83.4 | 84.3 | 85.4 | 86.0 | 87.3                        | 87.5 | 88.1  | 88.2  | 88.2 |
| GE 1000  | 81.1 | 83.7 | 84.2 | 85.0 | 87.4 | 88.0                        | 88.2 | 88.4  | 88.9  | 88.9 |
| GE 900   | 81.2 | 84.3 | 85.4 | 86.5 | 88.1 | 88.7                        | 88.9 | 89.5  | 89.5  | 89.5 |
| GE 800   | 81.2 | 84.4 | 85.5 | 86.7 | 88.3 | 88.9                        | 89.4 | 89.9  | 90.0  | 90.0 |
| GE 700   | 81.2 | 84.4 | 85.1 | 87.5 | 89.1 | 89.7                        | 90.1 | 90.2  | 90.3  | 90.3 |
| GE 600   | 81.2 | 84.5 | 86.2 | 87.2 | 90.1 | 91.2                        | 92.0 | 92.5  | 92.3  | 92.3 |
| GE 500   | 81.2 | 84.5 | 86.3 | 88.2 | 90.9 | 92.5                        | 93.5 | 95.0  | 95.1  | 95.1 |
| GE 400   | 81.2 | 84.5 | 86.3 | 88.2 | 91.1 | 92.5                        | 94.3 | 95.5  | 95.7  | 95.7 |
| GE 300   | 81.2 | 84.5 | 86.3 | 88.2 | 91.1 | 92.5                        | 94.5 | 96.6  | 96.5  | 96.5 |
| GE 200   | 81.2 | 84.5 | 86.3 | 88.2 | 91.1 | 92.5                        | 94.5 | 96.6  | 96.5  | 96.5 |
| GE 100   | 81.2 | 84.5 | 86.3 | 88.2 | 91.1 | 92.5                        | 94.5 | 96.6  | 96.5  | 96.5 |
| GE 000   | 81.2 | 84.5 | 86.3 | 88.2 | 91.1 | 92.5                        | 94.5 | 96.6  | 96.5  | 96.5 |
| .....    |      |      |      |      |      |                             |      |       |       |      |

TOTAL NUMBER OF OBSERVATIONS 333

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

A-8 GA

PERIOD OF RECORD: JUN 73 - MAY 88  
MONTH: JAN HOURS: 15-17

.....  
VISIBILITY IN STATUTE MILES

|      | GE<br>1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
|------|-----------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 47.5 | 47.5      | 47.5    | 47.5        | 47.5        | 47.5    | 47.5      | 47.5      | 47.5      | 47.5      | 47.5      | 47.5    |
| 54.6 | 54.6      | 54.6    | 54.6        | 54.6        | 54.6    | 54.6      | 54.6      | 54.6      | 54.6      | 54.6      | 54.6    |
| 55.3 | 55.3      | 55.3    | 55.3        | 55.3        | 55.3    | 55.3      | 55.3      | 55.3      | 55.3      | 55.3      | 55.3    |
| 55.3 | 55.3      | 55.3    | 55.3        | 55.3        | 55.3    | 55.3      | 55.3      | 55.3      | 55.3      | 55.3      | 55.3    |
| 55.7 | 55.7      | 55.7    | 55.7        | 55.7        | 55.7    | 55.7      | 55.7      | 55.7      | 55.7      | 55.7      | 55.7    |
| 55.4 | 55.4      | 55.4    | 55.4        | 55.4        | 55.4    | 55.4      | 55.4      | 55.4      | 55.4      | 55.4      | 55.4    |
| 60.5 | 60.5      | 60.5    | 60.5        | 60.5        | 60.5    | 60.5      | 60.5      | 60.5      | 60.5      | 60.5      | 60.5    |
| 60.8 | 60.8      | 60.8    | 60.8        | 60.8        | 60.8    | 60.8      | 60.8      | 60.8      | 60.8      | 60.8      | 60.8    |
| 64.7 | 64.7      | 64.7    | 64.7        | 64.7        | 64.7    | 64.7      | 64.7      | 64.7      | 64.7      | 64.7      | 64.7    |
| 65.9 | 65.9      | 65.9    | 65.9        | 65.9        | 65.9    | 65.9      | 65.9      | 65.9      | 65.9      | 65.9      | 65.9    |
| 66.3 | 66.3      | 66.3    | 66.3        | 66.3        | 66.3    | 66.3      | 66.3      | 66.3      | 66.3      | 66.3      | 66.3    |
| 67.5 | 67.5      | 67.5    | 67.5        | 67.5        | 67.5    | 67.5      | 67.5      | 67.5      | 67.5      | 67.5      | 67.5    |
| 67.6 | 67.6      | 67.6    | 67.6        | 67.6        | 67.6    | 67.6      | 67.6      | 67.6      | 67.6      | 67.6      | 67.6    |
| 69.4 | 69.4      | 69.4    | 69.4        | 69.4        | 69.4    | 69.4      | 69.4      | 69.4      | 69.4      | 69.4      | 69.4    |
| 70.9 | 70.9      | 70.9    | 70.9        | 70.9        | 70.9    | 70.9      | 70.9      | 70.9      | 70.9      | 70.9      | 70.9    |
| 74.4 | 74.4      | 74.4    | 74.4        | 74.4        | 74.4    | 74.4      | 74.4      | 74.4      | 74.4      | 74.4      | 74.4    |
| 77.9 | 77.9      | 77.9    | 77.9        | 77.9        | 77.9    | 77.9      | 77.9      | 77.9      | 77.9      | 77.9      | 77.9    |
| 81.2 | 81.2      | 81.2    | 81.2        | 81.2        | 81.2    | 81.2      | 81.2      | 81.2      | 81.2      | 81.2      | 81.2    |
| 81.7 | 81.7      | 81.7    | 81.7        | 81.7        | 81.7    | 81.7      | 81.7      | 81.7      | 81.7      | 81.7      | 81.7    |
| 84.5 | 84.5      | 84.5    | 84.5        | 84.5        | 84.5    | 84.5      | 84.5      | 84.5      | 84.5      | 84.7      | 84.7    |
| 86.5 | 86.5      | 86.5    | 86.5        | 86.5        | 86.5    | 86.5      | 86.5      | 86.5      | 86.5      | 87.1      | 87.1    |
| 88.7 | 88.7      | 88.7    | 88.7        | 88.7        | 88.7    | 88.7      | 88.7      | 88.7      | 88.7      | 88.7      | 88.7    |
| 89.2 | 89.2      | 89.2    | 89.2        | 89.2        | 89.2    | 89.2      | 89.2      | 89.2      | 89.2      | 89.4      | 89.4    |
| 89.9 | 89.9      | 89.9    | 89.9        | 89.9        | 89.9    | 89.9      | 89.9      | 89.9      | 89.9      | 90.0      | 90.0    |
| 90.4 | 90.4      | 90.4    | 90.4        | 90.4        | 90.4    | 90.4      | 90.4      | 90.4      | 90.4      | 90.5      | 90.5    |
| 91.3 | 91.3      | 91.3    | 91.3        | 91.3        | 91.3    | 91.3      | 91.3      | 91.3      | 91.3      | 91.4      | 91.4    |
| 93.1 | 93.1      | 93.1    | 93.1        | 93.1        | 93.1    | 93.1      | 93.1      | 93.1      | 93.1      | 93.2      | 93.2    |
| 95.7 | 95.7      | 95.7    | 95.7        | 95.7        | 95.7    | 95.7      | 95.7      | 95.7      | 95.7      | 95.9      | 95.9    |
| 97.5 | 97.5      | 97.5    | 97.5        | 97.5        | 97.5    | 97.5      | 97.5      | 97.5      | 97.7      | 98.0      | 98.0    |
| 98.3 | 98.3      | 98.3    | 98.3        | 98.3        | 98.3    | 98.3      | 98.3      | 98.3      | 98.3      | 98.3      | 98.3    |
| 98.5 | 98.5      | 98.5    | 98.5        | 98.5        | 98.5    | 98.5      | 98.5      | 98.5      | 98.5      | 98.5      | 100.0   |
| 98.5 | 98.5      | 98.5    | 98.5        | 98.5        | 98.5    | 98.5      | 98.5      | 98.5      | 98.5      | 98.5      | 100.0   |
| 99.3 | 99.3      | 99.3    | 99.3        | 99.3        | 99.3    | 99.3      | 99.3      | 99.3      | 99.3      | 99.3      | 100.0   |

.....

OPERATING LOCATION "A"  
USAFPTAC, ASH-VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM 1 JULY 1952 TO 31

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

| CEILING    |         |         |         |         | VISIBILITY IN STATUTE MILES |             |         |             |             |
|------------|---------|---------|---------|---------|-----------------------------|-------------|---------|-------------|-------------|
| IN<br>FEET | 4-<br>7 | GF<br>5 | GE<br>5 | GE<br>4 | GE<br>3                     | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL    | 47.2    | 47.6    | 47.6    | 47.6    | 47.6                        | 47.6        | 47.6    | 47.6        | 47.6        |
| GF 20000   | 53.2    | 53.6    | 53.6    | 53.6    | 53.6                        | 53.6        | 53.6    | 53.6        | 53.6        |
| GE 18000   | 53.6    | 54.1    | 54.1    | 54.1    | 54.1                        | 54.1        | 54.1    | 54.1        | 54.1        |
| GF 16000   | 53.7    | 54.2    | 54.2    | 54.2    | 54.2                        | 54.2        | 54.2    | 54.2        | 54.2        |
| GE 14000   | 54.3    | 55.3    | 55.3    | 55.3    | 55.3                        | 55.3        | 55.3    | 55.3        | 55.3        |
| GE 12000   | 55.9    | 56.4    | 56.4    | 56.4    | 56.4                        | 56.4        | 56.4    | 56.4        | 56.4        |
| GF 10000   | 60.3    | 61.0    | 61.0    | 61.0    | 61.0                        | 61.0        | 61.0    | 61.0        | 61.0        |
| GF 9000    | 60.5    | 61.2    | 61.2    | 61.2    | 61.2                        | 61.2        | 61.2    | 61.2        | 61.2        |
| GF 8000    | 62.4    | 63.1    | 63.1    | 63.1    | 63.1                        | 63.1        | 63.2    | 63.3        | 63.3        |
| GE 7000    | 64.0    | 64.8    | 64.8    | 64.8    | 64.8                        | 64.8        | 64.8    | 65.0        | 65.2        |
| GE 6000    | 64.8    | 65.7    | 65.7    | 65.7    | 65.7                        | 65.7        | 65.8    | 66.0        | 66.1        |
| GF 5000    | 66.2    | 68.0    | 68.1    | 68.1    | 68.1                        | 68.1        | 68.2    | 68.3        | 68.4        |
| GE 4500    | 67.6    | 69.5    | 69.9    | 69.9    | 69.9                        | 69.9        | 69.9    | 69.9        | 69.9        |
| GF 4000    | 69.5    | 70.8    | 70.9    | 70.9    | 71.2                        | 71.3        | 71.4    | 71.5        | 71.5        |
| GE 3500    | 70.2    | 71.5    | 71.7    | 71.7    | 72.2                        | 72.3        | 72.4    | 72.5        | 72.6        |
| GE 3000    | 72.4    | 74.2    | 74.7    | 74.7    | 75.2                        | 75.3        | 75.5    | 75.6        | 75.7        |
| GE 2500    | 74.1    | 75.4    | 77.0    | 77.9    | 77.9                        | 77.9        | 78.1    | 78.3        | 78.4        |
| GE 2000    | 75.9    | 78.2    | 79.3    | 79.5    | 80.3                        | 80.4        | 81.0    | 81.2        | 81.3        |
| GF 1500    | 76.7    | 79.1    | 80.0    | 80.7    | 81.6                        | 81.7        | 82.2    | 82.5        | 82.5        |
| GE 1500    | 77.6    | 80.3    | 81.4    | 82.5    | 83.3                        | 84.0        | 84.6    | 84.8        | 85.1        |
| GE 1200    | 77.9    | 80.9    | 82.1    | 83.4    | 85.1                        | 85.3        | 85.9    | 86.1        | 86.2        |
| GF 1000    | 78.4    | 81.4    | 82.7    | 83.9    | 85.2                        | 86.4        | 87.1    | 87.3        | 87.4        |
| GF 900     | 78.5    | 81.3    | 83.0    | 84.5    | 85.9                        | 87.1        | 88.0    | 88.2        | 88.3        |
| GF 800     | 78.6    | 82.0    | 83.3    | 85.1    | 87.3                        | 87.5        | 88.0    | 88.7        | 88.8        |
| GE 700     | 78.8    | 82.1    | 83.5    | 85.9    | 88.5                        | 88.7        | 89.6    | 89.8        | 89.9        |
| GF 600     | 78.8    | 82.5    | 84.2    | 86.7    | 89.5                        | 90.0        | 91.0    | 91.3        | 91.4        |
| GF 500     | 78.8    | 82.5    | 84.3    | 86.9    | 90.2                        | 90.5        | 91.5    | 92.0        | 92.2        |
| GF 400     | 78.8    | 82.5    | 84.3    | 87.2    | 91.3                        | 92.0        | 93.0    | 93.5        | 94.1        |
| GF 300     | 79.0    | 82.6    | 84.4    | 87.4    | 91.7                        | 92.5        | 94.0    | 95.5        | 96.0        |
| GE 200     | 79.0    | 82.5    | 84.7    | 87.8    | 92.4                        | 93.5        | 94.9    | 96.7        | 97.5        |
| GE 100     | 79.0    | 82.5    | 84.7    | 87.8    | 92.4                        | 93.5        | 94.9    | 96.7        | 97.5        |
| GF 000     | 79.0    | 82.5    | 84.7    | 87.8    | 92.4                        | 93.5        | 94.9    | 96.7        | 97.5        |

TOTAL NUMBER OF OBSERVATIONS 344

P

1 - 2 - 7

# 55 FREQUENCY OF OCCURRENCE OF CHILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

5 APR 64

PERIOD OF RECORD: JUN 74 - MAY 85  
MONTH: JAN HOURS: 18-20

VISIBILITY IN STATUTE MILES

| 1/2   | 3/4   | 1 1/2 | 1 1/4 | 1     | 3/4   | 5/8   | 1/2   | 3/8   | 1/4   | 0     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  | 47.5  |
| 53.5  | 53.5  | 53.5  | 53.5  | 53.5  | 53.5  | 53.5  | 53.5  | 53.5  | 53.5  | 53.5  |
| 54.1  | 54.1  | 54.1  | 54.1  | 54.1  | 54.1  | 54.1  | 54.1  | 54.1  | 54.1  | 54.1  |
| 54.2  | 54.2  | 54.2  | 54.2  | 54.2  | 54.2  | 54.2  | 54.2  | 54.2  | 54.2  | 54.2  |
| 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  |
| 55.4  | 55.4  | 55.4  | 55.4  | 55.4  | 55.4  | 55.4  | 55.4  | 55.4  | 55.4  | 55.4  |
| 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  |
| 61.2  | 61.2  | 61.2  | 61.2  | 61.2  | 61.2  | 61.2  | 61.2  | 61.2  | 61.2  | 61.2  |
| 63.5  | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  |
| 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  |
| 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  | 65.7  |
| 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  |
| 69.3  | 69.3  | 69.3  | 69.3  | 69.3  | 69.3  | 69.3  | 69.3  | 69.3  | 69.3  | 69.3  |
| 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  |
| 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  |
| 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  |
| 78.4  | 78.4  | 78.4  | 78.4  | 78.4  | 78.4  | 78.4  | 78.4  | 78.4  | 78.4  | 78.4  |
| 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  | 81.3  |
| 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  |
| 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  |
| 86.2  | 86.2  | 86.2  | 86.2  | 86.2  | 86.2  | 86.2  | 86.2  | 86.2  | 86.2  | 86.2  |
| 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  | 87.4  |
| 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  | 88.3  |
| 89.9  | 89.9  | 89.9  | 89.9  | 89.9  | 89.9  | 89.9  | 89.9  | 89.9  | 89.9  | 89.9  |
| 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  |
| 92.2  | 92.2  | 92.2  | 92.2  | 92.2  | 92.2  | 92.2  | 92.2  | 92.2  | 92.2  | 92.2  |
| 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  | 94.1  |
| 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  |
| 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  |
| 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  | 98.9  |
| 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM JANUARY 1967 TO 1968

STATION NUMBER: 722270

STATION NAME: JOBBINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>5 | GE<br>3 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 50.3                        | 50.7    | 50.9    | 51.0    | 51.1    | 51.1        | 51.1    | 51.1        | 51.1        |
| GE 20000              | 54.4                        | 54.4    | 54.4    | 55.1    | 55.2    | 55.2        | 55.2    | 55.2        | 55.2        |
| GE 18000              | 54.4                        | 54.4    | 54.4    | 55.1    | 55.2    | 55.2        | 55.2    | 55.2        | 55.2        |
| GE 16000              | 54.7                        | 55.2    | 55.3    | 55.4    | 55.5    | 55.5        | 55.5    | 55.5        | 55.5        |
| GE 14000              | 55.3                        | 55.7    | 55.9    | 56.0    | 56.1    | 56.1        | 56.1    | 56.1        | 56.1        |
| GE 12000              | 55.5                        | 57.0    | 57.1    | 57.2    | 57.3    | 57.3        | 57.3    | 57.3        | 57.3        |
| GE 10000              | 58.4                        | 58.1    | 58.2    | 58.3    | 58.4    | 58.4        | 58.4    | 58.4        | 58.4        |
| GE 9000               | 58.4                        | 58.1    | 58.2    | 58.3    | 58.4    | 58.4        | 58.4    | 58.4        | 58.4        |
| GE 8000               | 58.1                        | 58.8    | 58.7    | 58.9    | 58.1    | 58.1        | 58.1    | 58.1        | 58.1        |
| GE 7000               | 58.1                        | 58.8    | 58.9    | 58.1    | 58.2    | 58.2        | 58.2    | 58.2        | 58.2        |
| GE 6000               | 58.3                        | 58.9    | 58.4    | 58.5    | 58.5    | 58.5        | 58.5    | 58.5        | 58.5        |
| GE 5000               | 58.5                        | 58.5    | 58.7    | 57.9    | 57.1    | 57.1        | 57.1    | 57.1        | 57.1        |
| GE 4500               | 58.5                        | 58.5    | 57.1    | 57.4    | 57.5    | 57.5        | 57.5    | 57.5        | 57.5        |
| GE 4000               | 58.2                        | 58.1    | 58.3    | 70.1    | 70.4    | 70.4        | 70.4    | 70.5        | 70.5        |
| GE 3500               | 58.5                        | 70.5    | 71.2    | 71.7    | 72.0    | 72.0        | 72.0    | 72.1        | 72.1        |
| GE 3000               | 70.7                        | 71.5    | 72.5    | 75.2    | 73.4    | 73.4        | 73.4    | 73.5        | 73.5        |
| GE 2500               | 70.4                        | 73.5    | 74.7    | 75.4    | 75.6    | 75.5        | 75.5    | 75.7        | 75.7        |
| GE 2000               | 75.1                        | 75.5    | 74.2    | 73.1    | 73.5    | 73.5        | 73.7    | 73.8        | 73.8        |
| GE 1800               | 75.7                        | 77.3    | 79.0    | 79.5    | 80.5    | 80.5        | 80.5    | 80.7        | 80.7        |
| GE 1600               | 76.5                        | 78.2    | 80.1    | 81.4    | 82.1    | 82.1        | 82.3    | 82.4        | 82.4        |
| GE 1400               | 77.0                        | 78.9    | 80.3    | 82.2    | 83.3    | 83.7        | 84.1    | 84.2        | 84.2        |
| GE 1200               | 77.0                        | 78.9    | 80.3    | 82.4    | 84.5    | 84.9        | 85.4    | 85.5        | 85.5        |
| GE 1000               | 77.3                        | 79.3    | 81.3    | 83.5    | 85.5    | 85.5        | 87.1    | 87.2        | 87.2        |
| GE 800                | 77.5                        | 79.5    | 82.2    | 84.1    | 85.5    | 87.1        | 87.5    | 87.5        | 87.5        |
| GE 700                | 77.5                        | 79.5    | 82.4    | 84.5    | 87.4    | 88.0        | 88.4    | 88.9        | 88.9        |
| GE 600                | 77.5                        | 79.7    | 82.7    | 85.0    | 88.1    | 88.5        | 89.3    | 89.4        | 89.4        |
| GE 500                | 78.0                        | 80.0    | 83.3    | 85.7    | 89.5    | 90.5        | 91.5    | 92.2        | 92.2        |
| GE 400                | 78.2                        | 80.0    | 83.4    | 85.5    | 90.5    | 91.3        | 93.0    | 93.9        | 93.9        |
| GE 300                | 78.0                        | 80.0    | 83.4    | 85.7    | 91.1    | 92.4        | 93.4    | 94.3        | 94.1        |
| GE 200                | 78.0                        | 80.0    | 83.5    | 85.9    | 91.7    | 93.1        | 94.2    | 95.3        | 95.4        |
| GE 100                | 78.0                        | 80.0    | 83.5    | 85.9    | 91.7    | 93.1        | 94.2    | 95.9        | 95.5        |
| GE 000                | 78.0                        | 80.0    | 83.5    | 85.9    | 91.7    | 93.1        | 94.2    | 95.9        | 95.5        |

TOTAL NUMBER OF OBSERVATIONS 891

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM DAILY OBSERVATIONS

| STATION                     |      | PERIOD OF RECORD: JUN 74 - MAY 75 |       |      |       |      |       |      |      |       |
|-----------------------------|------|-----------------------------------|-------|------|-------|------|-------|------|------|-------|
|                             |      | MONTH: JAN    HOURS: 21-23        |       |      |       |      |       |      |      |       |
| .....                       |      |                                   |       |      |       |      |       |      |      |       |
| VISIBILITY IN STATUTE MILES |      |                                   |       |      |       |      |       |      |      |       |
| 1/2                         | 3/4  | 1 1/2                             | 1 3/4 | 2    | 2 3/4 | 3    | 3 1/2 | 4    | 5    | 6     |
| .....                       |      |                                   |       |      |       |      |       |      |      |       |
| 0.1                         | 51.1 | 51.1                              | 51.1  | 51.1 | 51.2  | 51.2 | 51.2  | 51.3 | 51.3 | 51.3  |
| 0.2                         | 55.2 | 55.2                              | 55.2  | 55.2 | 55.3  | 55.3 | 55.3  | 55.4 | 55.4 | 55.4  |
| 0.3                         | 55.2 | 55.2                              | 55.2  | 55.2 | 55.3  | 55.3 | 55.3  | 55.4 | 55.4 | 55.4  |
| 0.4                         | 55.5 | 55.5                              | 55.5  | 55.5 | 55.6  | 55.6 | 55.6  | 55.7 | 55.7 | 55.7  |
| 0.5                         | 56.1 | 56.1                              | 56.1  | 56.1 | 56.2  | 56.2 | 56.2  | 56.3 | 56.3 | 56.3  |
| 0.6                         | 57.3 | 57.3                              | 57.3  | 57.3 | 57.4  | 57.4 | 57.4  | 57.5 | 57.5 | 57.5  |
| 0.7                         | 57.3 | 57.3                              | 57.3  | 57.3 | 57.4  | 57.4 | 57.4  | 57.5 | 57.5 | 57.5  |
| 0.8                         | 58.1 | 58.1                              | 58.1  | 58.1 | 58.2  | 58.2 | 58.2  | 58.3 | 58.3 | 58.3  |
| 0.9                         | 58.1 | 58.1                              | 58.1  | 58.1 | 58.2  | 58.2 | 58.2  | 58.3 | 58.3 | 58.3  |
| 1.0                         | 63.1 | 63.1                              | 63.1  | 63.1 | 63.2  | 63.2 | 63.2  | 63.3 | 63.3 | 63.3  |
| 1.1                         | 64.2 | 64.2                              | 64.2  | 64.2 | 64.4  | 64.4 | 64.4  | 64.5 | 64.5 | 64.5  |
| 1.2                         | 64.5 | 64.5                              | 64.5  | 64.5 | 64.7  | 64.7 | 64.7  | 64.8 | 64.8 | 64.8  |
| 1.3                         | 67.1 | 67.1                              | 67.1  | 67.1 | 67.2  | 67.2 | 67.2  | 67.3 | 67.3 | 67.3  |
| 1.4                         | 67.3 | 67.3                              | 67.3  | 67.3 | 67.7  | 67.7 | 67.7  | 67.8 | 67.8 | 67.8  |
| 1.5                         | 70.4 | 70.5                              | 70.5  | 70.5 | 70.6  | 70.6 | 70.6  | 70.7 | 70.7 | 70.7  |
| 1.6                         | 72.0 | 72.1                              | 72.1  | 72.1 | 72.2  | 72.2 | 72.2  | 72.3 | 72.3 | 72.3  |
| 1.7                         | 73.6 | 73.6                              | 73.6  | 73.6 | 73.7  | 73.7 | 73.7  | 73.8 | 73.8 | 73.8  |
| 1.8                         | 75.6 | 75.7                              | 75.7  | 75.7 | 75.8  | 75.8 | 75.8  | 75.9 | 75.9 | 75.9  |
| 1.9                         | 79.7 | 79.8                              | 79.8  | 79.8 | 79.9  | 79.9 | 79.9  | 80.0 | 80.0 | 80.0  |
| 2.0                         | 80.5 | 80.7                              | 80.7  | 80.7 | 80.8  | 80.8 | 80.8  | 80.9 | 80.9 | 80.9  |
| 2.1                         | 82.3 | 82.4                              | 82.4  | 82.4 | 82.5  | 82.5 | 82.5  | 82.6 | 82.6 | 82.6  |
| 2.2                         | 84.1 | 84.2                              | 84.2  | 84.2 | 84.3  | 84.3 | 84.3  | 84.4 | 84.4 | 84.4  |
| 2.3                         | 85.4 | 85.5                              | 85.5  | 85.5 | 85.6  | 85.6 | 85.6  | 85.7 | 85.7 | 85.7  |
| 2.4                         | 87.1 | 87.2                              | 87.2  | 87.2 | 87.3  | 87.3 | 87.3  | 87.4 | 87.4 | 87.4  |
| 2.5                         | 87.5 | 87.6                              | 87.6  | 87.6 | 87.7  | 87.7 | 87.7  | 87.9 | 87.9 | 87.9  |
| 2.6                         | 88.4 | 88.9                              | 88.9  | 88.9 | 89.0  | 89.0 | 89.0  | 89.1 | 89.1 | 89.1  |
| 2.7                         | 89.3 | 89.8                              | 89.8  | 89.8 | 89.9  | 89.9 | 89.9  | 90.0 | 90.0 | 90.0  |
| 2.8                         | 91.5 | 92.2                              | 92.2  | 92.2 | 92.3  | 92.3 | 92.4  | 92.5 | 92.5 | 92.5  |
| 2.9                         | 93.0 | 93.9                              | 93.9  | 94.1 | 94.2  | 94.2 | 94.3  | 94.4 | 94.4 | 94.4  |
| 3.0                         | 93.5 | 94.8                              | 95.1  | 95.3 | 95.5  | 95.5 | 95.6  | 95.9 | 95.9 | 95.9  |
| 3.1                         | 94.2 | 95.8                              | 96.4  | 96.4 | 96.9  | 96.9 | 97.3  | 97.7 | 97.7 | 98.1  |
| 3.2                         | 94.2 | 95.9                              | 96.5  | 96.9 | 97.0  | 97.2 | 97.2  | 98.5 | 99.1 | 99.4  |
| 3.3                         | 94.2 | 95.9                              | 96.5  | 96.9 | 97.0  | 97.2 | 97.2  | 98.3 | 99.3 | 100.0 |
| .....                       |      |                                   |       |      |       |      |       |      |      |       |



OPERATING LOCATION "A"  
USAFSTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM JULY 1951 TO

STATION NUMBER: 722270

STATION NAME: GORRIS AFB GA

EST. TO UTC: + 5

.....  
CEILING

.....  
VISIBILITY IN STATUTE MILES

| IN<br>FEET | 30<br>7 | 35<br>8 | 40<br>9 | 45<br>4 | 50<br>3 | 55<br>2 1/2 | 60<br>2 | 65<br>1 1/2 | 70<br>1 1/4 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
| 0000       | 46.6    | 46.7    | 47.0    | 47.3    | 47.5    | 47.6        | 47.6    | 47.6        | 47.6        |
| 0000       | 51.0    | 52.3    | 52.6    | 52.9    | 53.2    | 53.2        | 53.3    | 53.3        | 53.3        |
| 0100       | 51.2    | 52.5    | 52.9    | 53.1    | 53.4    | 53.4        | 53.5    | 53.5        | 53.5        |
| 0200       | 51.3    | 52.5    | 52.9    | 53.2    | 53.5    | 53.5        | 53.5    | 53.6        | 53.6        |
| 0300       | 51.7    | 53.2    | 53.5    | 53.9    | 54.2    | 54.2        | 54.3    | 54.3        | 54.3        |
| 0400       | 52.7    | 54.3    | 54.4    | 54.7    | 55.3    | 55.3        | 55.1    | 55.1        | 55.1        |
| 0500       | 55.3    | 57.3    | 57.7    | 57.9    | 58.3    | 58.4        | 58.4    | 58.4        | 58.4        |
| 0600       | 56.2    | 57.5    | 57.1    | 58.4    | 58.7    | 58.7        | 58.7    | 58.7        | 58.7        |
| 0700       | 56.4    | 57.8    | 58.3    | 58.7    | 59.0    | 59.0        | 59.1    | 59.2        | 59.2        |
| 0800       | 59.3    | 59.7    | 59.7    | 59.8    | 59.8    | 59.8        | 59.8    | 59.8        | 59.8        |
| 0900       | 59.3    | 59.3    | 59.3    | 59.3    | 59.3    | 59.3        | 59.3    | 59.3        | 59.3        |
| 1000       | 61.2    | 62.5    | 63.4    | 63.5    | 64.1    | 64.2        | 64.2    | 64.3        | 64.3        |
| 1100       | 61.5    | 63.2    | 63.9    | 64.3    | 64.5    | 64.7        | 64.5    | 64.5        | 64.5        |
| 1200       | 63.7    | 65.1    | 65.3    | 65.2    | 65.7    | 65.3        | 65.3    | 67.0        | 67.0        |
| 1300       | 64.4    | 66.2    | 67.0    | 67.5    | 67.9    | 68.1        | 68.2    | 68.3        | 68.3        |
| 1400       | 65.3    | 66.4    | 67.3    | 68.1    | 70.2    | 70.5        | 70.5    | 70.7        | 70.7        |
| 1500       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 1600       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 1700       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 1800       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 1900       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 2000       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 2100       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 2200       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 2300       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 2400       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 2500       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 2600       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 2700       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 2800       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 2900       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 3000       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 3100       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 3200       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 3300       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 3400       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 3500       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 3600       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 3700       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 3800       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 3900       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 4000       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 4100       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 4200       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 4300       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 4400       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 4500       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 4600       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 4700       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 4800       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 4900       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 5000       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 5100       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 5200       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 5300       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 5400       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 5500       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 5600       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 5700       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 5800       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 5900       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 6000       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 6100       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 6200       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 6300       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 6400       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 6500       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 6600       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 6700       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 6800       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 6900       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 7000       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 7100       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 7200       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 7300       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 7400       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 7500       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 7600       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 7700       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 7800       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 7900       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 8000       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 8100       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 8200       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 8300       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 8400       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 8500       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 8600       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 8700       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 8800       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 8900       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 9000       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 9100       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 9200       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 9300       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 9400       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 9500       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 9600       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 9700       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 9800       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 9900       | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |
| 10000      | 66.3    | 67.5    | 68.5    | 69.2    | 70.2    | 70.5        | 70.5    | 70.5        | 70.5        |

.....  
TOTAL NUMBER OF OBSERVATIONS: 5500

# THE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

APR 64 PERIOD OF RECORD: JUN 73 - MAY 84  
MONTH: JAN HOURS: ALL

| .....                       |           |             |             |         |           |           |           |           |           |         |
|-----------------------------|-----------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| VISIBILITY IN STATUTE MILES |           |             |             |         |           |           |           |           |           |         |
|                             | GE<br>1/2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| .....                       |           |             |             |         |           |           |           |           |           |         |
| 47.5                        | 47.5      | 47.5        | 47.5        | 47.5    | 47.5      | 47.5      | 47.5      | 47.5      | 47.5      | 47.5    |
| 53.3                        | 53.3      | 53.3        | 53.3        | 53.3    | 53.3      | 53.3      | 53.3      | 53.3      | 53.3      | 53.3    |
| 53.5                        | 53.5      | 53.5        | 53.5        | 53.5    | 53.5      | 53.5      | 53.5      | 53.5      | 53.5      | 53.5    |
| 53.6                        | 53.6      | 53.6        | 53.6        | 53.6    | 53.6      | 53.6      | 53.6      | 53.6      | 53.6      | 53.6    |
| 54.3                        | 54.3      | 54.3        | 54.3        | 54.3    | 54.3      | 54.3      | 54.3      | 54.3      | 54.3      | 54.3    |
| 55.1                        | 55.1      | 55.1        | 55.1        | 55.1    | 55.1      | 55.1      | 55.1      | 55.1      | 55.1      | 55.1    |
| 58.4                        | 58.4      | 58.4        | 58.4        | 58.4    | 58.4      | 58.4      | 58.4      | 58.4      | 58.4      | 58.4    |
| 58.7                        | 58.7      | 58.7        | 58.7        | 58.7    | 58.7      | 58.7      | 58.7      | 58.7      | 58.7      | 58.7    |
| 61.1                        | 61.1      | 61.1        | 61.1        | 61.1    | 61.1      | 61.1      | 61.1      | 61.1      | 61.1      | 61.1    |
| 62.1                        | 62.1      | 62.1        | 62.1        | 62.1    | 62.1      | 62.1      | 62.1      | 62.1      | 62.1      | 62.1    |
| 62.7                        | 62.7      | 62.7        | 62.7        | 62.7    | 62.7      | 62.7      | 62.7      | 62.7      | 62.7      | 62.7    |
| 64.3                        | 64.3      | 64.3        | 64.3        | 64.3    | 64.3      | 64.3      | 64.3      | 64.3      | 64.3      | 64.3    |
| 64.9                        | 64.9      | 64.9        | 64.9        | 64.9    | 64.9      | 64.9      | 64.9      | 64.9      | 64.9      | 64.9    |
| 67.1                        | 67.1      | 67.1        | 67.1        | 67.1    | 67.1      | 67.1      | 67.1      | 67.1      | 67.1      | 67.1    |
| 68.3                        | 68.3      | 68.3        | 68.3        | 68.3    | 68.3      | 68.3      | 68.3      | 68.3      | 68.3      | 68.3    |
| 70.5                        | 70.5      | 70.5        | 70.5        | 70.5    | 70.5      | 70.5      | 70.5      | 70.5      | 70.5      | 70.5    |
| 73.5                        | 73.5      | 73.5        | 73.5        | 73.5    | 73.5      | 73.5      | 73.5      | 73.5      | 73.5      | 73.5    |
| 75.4                        | 75.4      | 75.4        | 75.4        | 75.4    | 75.4      | 75.4      | 75.4      | 75.4      | 75.4      | 75.4    |
| 77.5                        | 77.5      | 77.5        | 77.5        | 77.5    | 77.5      | 77.5      | 77.5      | 77.5      | 77.5      | 77.5    |
| 80.2                        | 80.2      | 80.2        | 80.2        | 80.2    | 80.2      | 80.2      | 80.2      | 80.2      | 80.2      | 80.2    |
| 83.4                        | 83.4      | 83.4        | 83.4        | 83.4    | 83.4      | 83.4      | 83.4      | 83.4      | 83.4      | 83.4    |
| 84.2                        | 84.2      | 84.2        | 84.2        | 84.2    | 84.2      | 84.2      | 84.2      | 84.2      | 84.2      | 84.2    |
| 85.3                        | 85.3      | 85.3        | 85.3        | 85.3    | 85.3      | 85.3      | 85.3      | 85.3      | 85.3      | 85.3    |
| 86.1                        | 86.1      | 86.1        | 86.1        | 86.1    | 86.1      | 86.1      | 86.1      | 86.1      | 86.1      | 86.1    |
| 87.3                        | 87.3      | 87.3        | 87.3        | 87.3    | 87.3      | 87.3      | 87.3      | 87.3      | 87.3      | 87.3    |
| 88.7                        | 88.7      | 88.7        | 88.7        | 88.7    | 88.7      | 88.7      | 88.7      | 88.7      | 88.7      | 88.7    |
| 91.1                        | 91.1      | 91.1        | 91.1        | 91.1    | 91.1      | 91.1      | 91.1      | 91.1      | 91.1      | 91.1    |
| 91.3                        | 91.3      | 91.3        | 91.3        | 91.3    | 91.3      | 91.3      | 91.3      | 91.3      | 91.3      | 91.3    |
| 93.1                        | 93.1      | 93.1        | 93.1        | 93.1    | 93.1      | 93.1      | 93.1      | 93.1      | 93.1      | 93.1    |
| 94.4                        | 94.4      | 94.4        | 94.4        | 94.4    | 94.4      | 94.4      | 94.4      | 94.4      | 94.4      | 94.4    |
| 95.5                        | 95.5      | 95.5        | 95.5        | 95.5    | 95.5      | 95.5      | 95.5      | 95.5      | 95.5      | 95.5    |
| 97.0                        | 97.0      | 97.0        | 97.0        | 97.0    | 97.0      | 97.0      | 97.0      | 97.0      | 97.0      | 97.0    |
| 97.5                        | 97.5      | 97.5        | 97.5        | 97.5    | 97.5      | 97.5      | 97.5      | 97.5      | 97.5      | 97.5    |
| 98.7                        | 98.7      | 98.7        | 98.7        | 98.7    | 98.7      | 98.7      | 98.7      | 98.7      | 98.7      | 98.7    |
| 99.4                        | 99.4      | 99.4        | 99.4        | 99.4    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |
| 100.0                       | 100.0     | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| .....                       |           |             |             |         |           |           |           |           |           |         |

OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOUR 145 TO

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>8 | GE<br>9 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 22.2                        | 22.2    | 22.2    | 22.2    | 22.2    | 22.2        | 22.2    | 22.2        | 22.2        | 22.2    |
| GE 20000              | 33.3                        | 33.3    | 33.3    | 33.3    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.3    |
| GE 18000              | 33.3                        | 33.3    | 33.3    | 33.3    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.3    |
| GE 16000              | 33.3                        | 33.3    | 33.3    | 33.3    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.3    |
| GE 14000              | 33.3                        | 33.3    | 33.3    | 33.3    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.3    |
| GE 12000              | 33.3                        | 33.3    | 33.3    | 33.3    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.3    |
| GE 10000              | 33.3                        | 33.3    | 33.3    | 33.3    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.3    |
| GE 9000               | 33.3                        | 33.3    | 33.3    | 33.3    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.3    |
| GE 8000               | 33.3                        | 33.3    | 33.3    | 33.3    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.3    |
| GE 7000               | 33.3                        | 33.3    | 33.3    | 33.3    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.3    |
| GE 6000               | 33.3                        | 33.3    | 33.3    | 33.3    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.3    |
| GE 5000               | 33.3                        | 33.3    | 33.3    | 33.3    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.3    |
| GE 4500               | 33.3                        | 33.3    | 33.3    | 33.3    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.3    |
| GE 4000               | 33.3                        | 33.3    | 33.3    | 33.3    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.3    |
| GE 3500               | 33.3                        | 33.3    | 33.3    | 33.3    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.3    |
| GE 3000               | 33.3                        | 33.3    | 33.3    | 33.3    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.3    |
| GE 2500               | 33.3                        | 33.3    | 33.3    | 33.3    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.3    |
| GE 2000               | 33.3                        | 33.3    | 33.3    | 33.3    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.3    |
| GE 1800               | 33.3                        | 33.3    | 33.3    | 33.3    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.3    |
| GE 1600               | 33.3                        | 33.3    | 33.3    | 33.3    | 33.3    | 33.3        | 33.3    | 33.3        | 33.3        | 33.3    |
| GE 1400               | 44.4                        | 44.4    | 44.4    | 44.4    | 44.4    | 44.4        | 44.4    | 44.4        | 44.4        | 44.4    |
| GE 1200               | 44.4                        | 44.4    | 44.4    | 44.4    | 44.4    | 44.4        | 44.4    | 44.4        | 44.4        | 44.4    |
| GE 1000               | 44.4                        | 44.4    | 44.4    | 44.4    | 44.4    | 44.4        | 44.4    | 44.4        | 44.4        | 44.4    |
| GE 900                | 44.4                        | 44.4    | 44.4    | 44.4    | 44.4    | 44.4        | 44.4    | 44.4        | 44.4        | 44.4    |
| GE 800                | 55.6                        | 55.6    | 55.6    | 55.6    | 55.6    | 55.6        | 55.6    | 55.6        | 55.6        | 55.6    |
| GE 700                | 55.6                        | 55.6    | 55.6    | 55.6    | 55.6    | 55.6        | 55.6    | 55.6        | 55.6        | 55.6    |
| GE 600                | 55.6                        | 55.6    | 55.6    | 55.6    | 55.6    | 55.6        | 55.6    | 55.6        | 55.6        | 55.6    |
| GE 500                | 55.6                        | 55.6    | 55.7    | 55.7    | 55.7    | 55.7        | 55.7    | 55.7        | 55.7        | 55.7    |
| GE 400                | 55.6                        | 55.6    | 55.7    | 55.7    | 55.7    | 55.7        | 55.7    | 77.8        | 77.8        | 77.8    |
| GE 300                | 55.6                        | 55.6    | 55.7    | 55.7    | 55.7    | 55.7        | 55.7    | 77.8        | 77.8        | 77.8    |
| GE 200                | 55.6                        | 55.6    | 55.7    | 55.7    | 55.7    | 55.7        | 55.7    | 55.7        | 100.0       | 100.0   |
| GE 100                | 55.6                        | 55.6    | 55.7    | 55.7    | 55.7    | 55.7        | 55.7    | 55.7        | 100.0       | 100.0   |
| GE 000                | 55.6                        | 55.6    | 55.7    | 55.7    | 55.7    | 55.7        | 55.7    | 55.7        | 100.0       | 100.0   |

TOTAL NUMBER OF OBSERVATIONS

2

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

12

PERIOD OF RECORD: JUN 75 - MAY 83

MONTH: FEB HOURS: 00-02

CITY IN STATUTE MILES

[illegible]

OPERATING LOCATION "A"  
USAFSTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

000  
MON

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 45.3                        | 47.1    | 47.1    | 47.5    | 47.5    | 47.5        | 47.3    | 47.9        | 47.9        | 47.9    |
| GE 20000              | 47.5                        | 49.0    | 49.0    | 49.4    | 49.4    | 49.4        | 49.3    | 49.9        | 49.9        | 49.9    |
| GE 18000              | 47.5                        | 49.0    | 49.0    | 49.4    | 49.4    | 49.4        | 49.3    | 49.9        | 49.9        | 49.9    |
| GE 16000              | 47.3                        | 49.4    | 49.4    | 49.3    | 49.3    | 49.3        | 50.2    | 50.2        | 50.2        | 50.2    |
| GE 14000              | 49.3                        | 49.8    | 49.8    | 50.2    | 50.2    | 50.2        | 50.5    | 50.5        | 50.5        | 50.5    |
| GE 12000              | 49.4                        | 51.0    | 51.0    | 51.3    | 51.3    | 51.3        | 51.7    | 51.7        | 51.7        | 51.7    |
| GE 10000              | 52.5                        | 54.0    | 54.0    | 54.4    | 54.4    | 54.4        | 54.3    | 54.9        | 54.9        | 54.9    |
| GE 9000               | 53.3                        | 54.8    | 54.8    | 55.2    | 55.2    | 55.2        | 55.5    | 55.5        | 55.5        | 55.5    |
| GE 8000               | 55.6                        | 57.1    | 57.5    | 57.9    | 57.9    | 57.9        | 58.2    | 58.2        | 58.2        | 58.2    |
| GE 7000               | 55.7                        | 57.2    | 58.5    | 59.0    | 59.0    | 59.0        | 59.4    | 59.4        | 59.4        | 59.4    |
| GE 6000               | 57.9                        | 59.4    | 59.8    | 60.2    | 60.2    | 60.2        | 60.5    | 60.5        | 60.5        | 60.5    |
| GE 5000               | 59.9                        | 62.5    | 63.2    | 63.5    | 63.5    | 63.5        | 64.2    | 64.2        | 64.2        | 64.2    |
| GE 4500               | 62.3                        | 64.4    | 65.1    | 65.5    | 65.5    | 65.5        | 65.9    | 65.9        | 65.9        | 65.9    |
| GE 4000               | 63.6                        | 65.5    | 66.3    | 66.7    | 66.7    | 66.7        | 67.4    | 67.4        | 67.4        | 67.4    |
| GE 3500               | 63.6                        | 65.9    | 66.7    | 67.0    | 67.0    | 67.0        | 67.3    | 67.3        | 67.3        | 67.3    |
| GE 3000               | 64.3                        | 67.4    | 69.0    | 69.3    | 69.3    | 69.3        | 70.1    | 70.1        | 70.1        | 70.1    |
| GE 2500               | 66.3                        | 69.3    | 70.5    | 70.9    | 70.9    | 70.9        | 71.5    | 71.5        | 71.5        | 71.5    |
| GE 2000               | 69.3                        | 72.3    | 73.9    | 74.3    | 74.7    | 75.1        | 75.9    | 75.9        | 75.9        | 75.9    |
| GE 1500               | 69.7                        | 73.2    | 74.3    | 74.7    | 75.1    | 75.5        | 75.2    | 76.2        | 76.2        | 76.2    |
| GE 1000               | 71.5                        | 75.1    | 75.2    | 75.5    | 77.0    | 77.4        | 78.2    | 78.2        | 78.2        | 78.2    |
| GE 1200               | 72.0                        | 75.5    | 77.0    | 77.4    | 77.3    | 78.2        | 78.9    | 78.3        | 78.3        | 78.3    |
| GE 1000               | 73.2                        | 75.6    | 76.5    | 76.9    | 79.3    | 80.1        | 80.3    | 80.3        | 80.3        | 80.3    |
| GE 900                | 73.2                        | 75.6    | 76.9    | 79.3    | 79.7    | 80.5        | 81.2    | 81.2        | 81.2        | 81.2    |
| GE 800                | 73.2                        | 77.0    | 80.1    | 80.5    | 80.5    | 81.5        | 82.4    | 82.4        | 82.4        | 82.4    |
| GE 700                | 73.2                        | 77.0    | 80.5    | 80.5    | 81.2    | 82.4        | 83.1    | 83.1        | 83.1        | 83.1    |
| GE 600                | 73.5                        | 77.3    | 81.5    | 82.0    | 83.1    | 84.3        | 85.4    | 85.4        | 85.4        | 85.4    |
| GE 500                | 74.3                        | 78.5    | 82.4    | 83.0    | 83.4    | 85.5        | 86.1    | 86.1        | 86.1        | 86.1    |
| GE 400                | 74.3                        | 78.5    | 82.4    | 83.0    | 87.0    | 88.1        | 89.7    | 89.7        | 89.7        | 89.7    |
| GE 300                | 74.2                        | 78.9    | 83.9    | 85.5    | 90.2    | 92.0        | 93.5    | 93.9        | 93.9        | 93.9    |
| GE 200                | 74.3                        | 78.9    | 83.9    | 87.0    | 91.2    | 92.7        | 94.5    | 95.2        | 95.2        | 95.2    |
| GE 100                | 74.3                        | 78.9    | 83.9    | 87.0    | 91.2    | 92.7        | 94.5    | 95.2        | 95.2        | 95.2    |

TOTAL NUMBER OF OBSERVATIONS 251

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

WFO DA

PERIOD OF RECORD: JUN 78 - MAY 84  
MONTH: FEB HOURS: 03-05

| .....                       |         |             |             |         |           |           |           |           |           |         |
|-----------------------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| VISIBILITY IN STATUTE MILES |         |             |             |         |           |           |           |           |           |         |
|                             | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| .....                       |         |             |             |         |           |           |           |           |           |         |
| 0.0                         | 47.9    | 47.9        | 47.9        | 47.9    | 47.9      | 47.9      | 47.9      | 47.9      | 47.9      | 47.9    |
| 0.1                         | 49.5    | 49.8        | 49.8        | 49.8    | 49.8      | 49.8      | 49.8      | 49.8      | 49.8      | 49.8    |
| 0.2                         | 49.8    | 49.8        | 49.8        | 49.8    | 49.8      | 49.8      | 49.8      | 49.8      | 49.8      | 49.8    |
| 0.3                         | 50.2    | 50.2        | 50.2        | 50.2    | 50.2      | 50.2      | 50.2      | 50.2      | 50.2      | 50.2    |
| 0.4                         | 50.5    | 50.5        | 50.5        | 50.5    | 50.5      | 50.5      | 50.5      | 50.5      | 50.5      | 50.5    |
| 0.5                         | 51.7    | 51.7        | 51.7        | 51.7    | 51.7      | 51.7      | 51.7      | 51.7      | 51.7      | 51.7    |
| .....                       |         |             |             |         |           |           |           |           |           |         |
| 0.6                         | 54.1    | 54.8        | 54.8        | 54.8    | 54.8      | 54.8      | 54.8      | 54.8      | 54.8      | 54.8    |
| 0.7                         | 55.5    | 55.6        | 55.6        | 55.6    | 55.6      | 55.6      | 55.6      | 55.6      | 55.6      | 55.6    |
| 0.8                         | 58.2    | 58.2        | 58.2        | 58.6    | 58.6      | 58.6      | 58.6      | 58.6      | 58.6      | 58.6    |
| 0.9                         | 59.4    | 59.4        | 59.4        | 59.8    | 59.8      | 59.8      | 59.8      | 59.8      | 59.8      | 59.8    |
| 1.0                         | 60.5    | 60.5        | 60.5        | 60.9    | 60.9      | 60.9      | 60.9      | 60.9      | 60.9      | 60.9    |
| .....                       |         |             |             |         |           |           |           |           |           |         |
| 1.1                         | 64.1    | 64.0        | 64.0        | 64.4    | 64.4      | 64.4      | 64.4      | 64.4      | 64.4      | 64.4    |
| 1.2                         | 65.3    | 65.3        | 65.3        | 65.3    | 65.3      | 65.3      | 65.3      | 65.3      | 65.3      | 65.3    |
| 1.3                         | 67.4    | 67.4        | 67.4        | 67.4    | 67.4      | 67.4      | 67.4      | 67.4      | 67.4      | 67.4    |
| 1.4                         | 67.3    | 67.3        | 67.3        | 68.2    | 68.2      | 68.2      | 68.2      | 68.2      | 68.2      | 68.2    |
| 1.5                         | 70.1    | 70.1        | 70.1        | 70.5    | 70.5      | 70.5      | 70.5      | 70.5      | 70.5      | 70.5    |
| .....                       |         |             |             |         |           |           |           |           |           |         |
| 1.6                         | 71.5    | 71.5        | 71.5        | 72.0    | 72.0      | 72.0      | 72.0      | 72.0      | 72.0      | 72.0    |
| 1.7                         | 75.9    | 75.9        | 75.9        | 76.2    | 76.2      | 76.2      | 76.2      | 76.2      | 76.2      | 76.2    |
| 1.8                         | 76.2    | 76.2        | 76.2        | 76.6    | 76.6      | 76.6      | 76.6      | 76.6      | 76.6      | 76.6    |
| 1.9                         | 76.2    | 76.2        | 76.2        | 76.5    | 76.5      | 76.5      | 76.5      | 76.5      | 76.5      | 76.5    |
| 2.0                         | 78.9    | 78.9        | 78.9        | 79.3    | 79.3      | 79.3      | 79.3      | 79.3      | 79.3      | 79.3    |
| .....                       |         |             |             |         |           |           |           |           |           |         |
| 2.1                         | 80.8    | 80.8        | 80.8        | 81.2    | 81.2      | 81.2      | 81.2      | 81.2      | 81.2      | 81.2    |
| 2.2                         | 81.2    | 81.2        | 81.2        | 81.5    | 81.5      | 81.5      | 81.5      | 81.5      | 81.5      | 81.5    |
| 2.3                         | 82.4    | 82.4        | 82.4        | 82.8    | 83.1      | 83.1      | 83.1      | 83.1      | 83.1      | 83.1    |
| 2.4                         | 83.1    | 83.1        | 83.1        | 83.5    | 83.9      | 83.9      | 83.9      | 83.9      | 83.9      | 83.9    |
| 2.5                         | 85.8    | 85.8        | 85.8        | 86.2    | 86.6      | 86.6      | 86.6      | 86.6      | 86.6      | 86.6    |
| .....                       |         |             |             |         |           |           |           |           |           |         |
| 2.6                         | 88.1    | 88.1        | 88.1        | 88.5    | 88.9      | 88.9      | 88.9      | 88.9      | 88.9      | 88.9    |
| 2.7                         | 89.7    | 89.7        | 89.7        | 90.0    | 90.4      | 90.4      | 90.4      | 90.4      | 90.4      | 90.4    |
| 2.8                         | 93.5    | 93.9        | 93.9        | 94.6    | 95.0      | 95.0      | 95.0      | 95.0      | 95.0      | 95.0    |
| 2.9                         | 94.5    | 96.2        | 96.2        | 97.3    | 98.1      | 98.1      | 98.1      | 98.1      | 98.5      | 98.5    |
| 3.0                         | 94.5    | 96.2        | 96.2        | 97.3    | 98.5      | 98.5      | 98.5      | 98.5      | 98.9      | 98.9    |
| .....                       |         |             |             |         |           |           |           |           |           |         |
| 3.1                         | 98.5    | 98.2        | 98.2        | 97.3    | 98.5      | 98.5      | 98.5      | 98.5      | 99.2      | 100.0   |
| .....                       |         |             |             |         |           |           |           |           |           |         |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM 4000 FT TO 20000 FT

STATION NUMBER: 722270

STATION NAME: DUBRINS AFB GA  
LST TO UTC: + 5

| .....    |                             |      |      |      |      |          |      |          |          |
|----------|-----------------------------|------|------|------|------|----------|------|----------|----------|
| CEILING  | VISIBILITY IN STATUTE MILES |      |      |      |      |          |      |          |          |
| IN FEET  | GE 7                        | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 |
| .....    |                             |      |      |      |      |          |      |          |          |
| NO CEIL  | 40.4                        | 43.5 | 43.5 | 43.9 | 44.1 | 44.1     | 44.1 | 44.1     | 44.1     |
| GE 20000 | 44.5                        | 44.4 | 44.3 | 44.2 | 44.2 | 44.2     | 44.2 | 44.2     | 44.2     |
| GE 18000 | 44.5                        | 43.5 | 43.9 | 43.0 | 43.1 | 43.1     | 43.1 | 43.1     | 43.1     |
| GE 16000 | 44.2                        | 43.5 | 43.0 | 43.1 | 43.2 | 43.2     | 43.2 | 43.2     | 43.2     |
| GE 14000 | 45.1                        | 43.9 | 43.2 | 43.4 | 43.5 | 43.5     | 43.5 | 43.5     | 43.5     |
| GE 12000 | 45.2                        | 43.4 | 50.3 | 50.4 | 50.5 | 50.5     | 50.5 | 50.6     | 50.5     |
| GE 10000 | 43.2                        | 53.2 | 53.5 | 53.3 | 53.2 | 53.2     | 54.1 | 54.1     | 54.1     |
| GE 9000  | 43.2                        | 53.2 | 54.3 | 54.5 | 54.7 | 54.7     | 54.3 | 54.5     | 54.3     |
| GE 8000  | 51.4                        | 55.5 | 55.9 | 55.2 | 55.3 | 55.3     | 55.4 | 55.4     | 55.4     |
| GE 7000  | 52.1                        | 55.3 | 56.5 | 57.0 | 57.1 | 57.1     | 57.2 | 57.2     | 57.2     |
| GE 6000  | 52.4                        | 55.8 | 57.2 | 57.5 | 57.5 | 57.5     | 57.7 | 57.7     | 57.7     |
| GE 5000  | 55.0                        | 57.4 | 58.0 | 58.3 | 58.4 | 58.4     | 58.7 | 58.9     | 58.7     |
| GE 4500  | 55.4                        | 58.5 | 58.4 | 58.7 | 58.8 | 58.8     | 58.4 | 58.4     | 58.4     |
| GE 4000  | 57.5                        | 58.3 | 58.1 | 58.5 | 58.7 | 58.7     | 58.4 | 58.4     | 58.4     |
| GE 3500  | 58.5                        | 58.1 | 58.4 | 58.8 | 58.8 | 58.8     | 58.7 | 58.7     | 58.7     |
| GE 3000  | 58.7                        | 58.5 | 58.3 | 58.5 | 58.5 | 58.5     | 58.5 | 58.5     | 58.5     |
| GE 2500  | 58.4                        | 58.4 | 57.1 | 57.5 | 57.7 | 57.7     | 58.4 | 58.4     | 58.4     |
| GE 2000  | 58.5                        | 59.4 | 71.5 | 72.3 | 72.6 | 72.8     | 73.5 | 73.5     | 73.5     |
| GE 1800  | 64.2                        | 70.1 | 72.4 | 73.1 | 73.7 | 73.7     | 74.4 | 74.4     | 74.4     |
| GE 1500  | 55.7                        | 71.7 | 74.1 | 74.9 | 75.7 | 75.7     | 76.4 | 76.4     | 76.4     |
| GE 1200  | 55.7                        | 73.0 | 75.7 | 76.7 | 77.5 | 77.5     | 78.2 | 78.2     | 78.2     |
| GE 1000  | 67.3                        | 73.5 | 75.3 | 77.3 | 78.2 | 78.2     | 78.2 | 78.9     | 78.9     |
| GE 900   | 57.5                        | 74.3 | 77.5 | 78.2 | 79.9 | 80.0     | 80.7 | 80.7     | 80.7     |
| GE 800   | 63.1                        | 74.5 | 75.3 | 79.7 | 81.2 | 81.3     | 82.0 | 82.0     | 82.0     |
| GE 700   | 58.4                        | 74.9 | 79.4 | 81.2 | 82.6 | 82.7     | 83.4 | 83.4     | 83.4     |
| GE 600   | 58.5                        | 75.0 | 80.0 | 82.1 | 84.5 | 84.5     | 85.9 | 85.9     | 85.9     |
| GE 500   | 64.3                        | 75.3 | 80.4 | 82.9 | 85.1 | 85.2     | 85.0 | 85.1     | 85.2     |
| GE 400   | 58.8                        | 75.5 | 80.8 | 83.5 | 87.3 | 87.9     | 89.8 | 90.1     | 90.2     |
| GE 300   | 64.3                        | 75.7 | 81.5 | 84.5 | 88.5 | 89.2     | 91.5 | 92.2     | 92.3     |
| GE 200   | 64.3                        | 75.7 | 81.5 | 84.8 | 88.7 | 89.9     | 92.5 | 93.5     | 93.9     |
| GE 100   | 64.3                        | 75.7 | 81.5 | 84.8 | 88.9 | 89.9     | 92.5 | 93.8     | 94.0     |
| GE 000   | 64.3                        | 75.7 | 81.5 | 84.8 | 88.9 | 89.9     | 92.5 | 93.8     | 94.0     |
| .....    |                             |      |      |      |      |          |      |          |          |

TOTAL NUMBER OF OBSERVATIONS 549

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

WFO GA PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: FEB HOURS: 06-08

| MILE IN STATUTE MILES |      |       |       |      |      |      |      |      |       |       |
|-----------------------|------|-------|-------|------|------|------|------|------|-------|-------|
| 1/2                   | 3/4  | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/8  | 1/4   | 0     |
| 44.1                  | 44.1 | 44.1  | 44.1  | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2  | 44.2  |
| 49.0                  | 49.0 | 49.0  | 49.0  | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.2  | 49.2  |
| 49.1                  | 49.1 | 49.1  | 49.1  | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.4  | 49.4  |
| 49.2                  | 49.2 | 49.2  | 49.2  | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.5  | 49.5  |
| 49.5                  | 49.5 | 49.5  | 49.5  | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.7  | 49.7  |
| 50.5                  | 50.6 | 50.6  | 50.6  | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.9  | 50.9  |
| 54.1                  | 54.1 | 54.1  | 54.1  | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.3  | 54.3  |
| 54.3                  | 54.3 | 54.3  | 54.3  | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 55.0  | 55.0  |
| 55.4                  | 55.4 | 55.4  | 55.4  | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.7  | 55.7  |
| 57.2                  | 57.2 | 57.2  | 57.2  | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.5  | 57.5  |
| 57.7                  | 57.7 | 57.7  | 57.7  | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 58.0  | 58.0  |
| 60.9                  | 60.9 | 60.9  | 60.9  | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.1  | 61.1  |
| 62.4                  | 62.4 | 62.4  | 62.4  | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.7  | 62.7  |
| 64.4                  | 64.4 | 64.4  | 64.4  | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.7  | 64.7  |
| 65.7                  | 65.7 | 65.7  | 65.7  | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 66.0  | 66.0  |
| 66.5                  | 66.5 | 66.5  | 66.5  | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.8  | 66.8  |
| 68.4                  | 68.4 | 68.4  | 68.4  | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.7  | 68.7  |
| 73.5                  | 73.5 | 73.5  | 73.5  | 73.7 | 73.9 | 73.9 | 73.9 | 73.9 | 74.0  | 74.0  |
| 74.4                  | 74.4 | 74.4  | 74.4  | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.9  | 74.9  |
| 76.4                  | 76.4 | 76.4  | 76.4  | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.9  | 76.9  |
| 78.2                  | 78.2 | 78.2  | 78.2  | 78.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.7  | 78.7  |
| 79.9                  | 79.9 | 79.9  | 79.9  | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 | 79.4  | 79.4  |
| 80.7                  | 80.7 | 80.7  | 80.7  | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.2  | 81.2  |
| 82.0                  | 82.0 | 82.0  | 82.0  | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.4  | 82.4  |
| 83.4                  | 83.4 | 83.4  | 83.4  | 83.5 | 83.7 | 83.7 | 83.7 | 83.7 | 83.9  | 83.9  |
| 85.9                  | 85.9 | 85.9  | 85.9  | 86.1 | 86.3 | 86.3 | 86.3 | 86.3 | 86.5  | 86.5  |
| 88.1                  | 88.1 | 88.2  | 88.2  | 88.5 | 88.7 | 88.7 | 88.7 | 88.7 | 88.8  | 88.8  |
| 90.0                  | 90.1 | 90.2  | 90.2  | 90.7 | 90.9 | 90.9 | 91.0 | 91.0 | 91.2  | 91.2  |
| 91.3                  | 92.2 | 92.3  | 92.3  | 92.9 | 93.6 | 93.8 | 94.0 | 94.0 | 94.1  | 94.1  |
| 95.5                  | 93.5 | 93.9  | 94.7  | 95.9 | 96.0 | 96.7 | 96.8 | 97.1 | 97.4  | 97.4  |
| 97.5                  | 93.8 | 94.0  | 94.8  | 96.3 | 96.6 | 97.3 | 97.4 | 97.9 | 98.9  | 98.9  |
| 98.6                  | 93.8 | 94.0  | 94.8  | 96.3 | 96.6 | 97.3 | 97.5 | 98.4 | 100.0 | 100.0 |



OPERATING LOCATION "AA"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 38.6                        | 41.5    | 42.4    | 42.4    | 42.4    | 42.4        | 42.4    | 42.4        | 42.4        |
| GE 20000              | 43.7                        | 47.3    | 48.5    | 48.5    | 43.5    | 48.5        | 48.5    | 48.5        | 48.5        |
| GE 18000              | 43.9                        | 47.6    | 48.3    | 48.3    | 43.5    | 48.3        | 48.3    | 48.3        | 48.3        |
| GE 16000              | 43.9                        | 47.6    | 48.3    | 48.3    | 43.8    | 48.3        | 48.3    | 48.3        | 48.3        |
| GE 14000              | 44.3                        | 47.9    | 49.1    | 49.1    | 49.1    | 49.1        | 49.1    | 49.1        | 49.1        |
| GE 12000              | 48.1                        | 48.9    | 50.2    | 50.2    | 50.2    | 50.2        | 50.2    | 50.2        | 50.2        |
| GE 10000              | 44.2                        | 52.1    | 53.5    | 53.5    | 53.5    | 53.5        | 53.5    | 53.5        | 53.5        |
| GE 9000               | 43.8                        | 52.7    | 54.1    | 54.1    | 54.1    | 54.1        | 54.1    | 54.1        | 54.1        |
| GE 8000               | 50.4                        | 54.9    | 56.2    | 56.2    | 56.2    | 56.2        | 56.2    | 56.2        | 56.2        |
| GE 7000               | 50.9                        | 55.2    | 56.7    | 56.7    | 56.7    | 56.7        | 56.7    | 56.7        | 56.7        |
| GE 6000               | 51.4                        | 55.7    | 57.1    | 57.1    | 57.1    | 57.1        | 57.1    | 57.1        | 57.1        |
| GE 5000               | 54.1                        | 53.5    | 59.3    | 59.4    | 59.7    | 59.3        | 59.3    | 59.3        | 59.3        |
| GE 4500               | 55.2                        | 59.0    | 51.5    | 51.7    | 52.0    | 52.1        | 52.1    | 52.1        | 52.1        |
| GE 4000               | 56.2                        | 51.0    | 53.0    | 53.1    | 53.7    | 53.3        | 53.3    | 53.3        | 53.3        |
| GE 3500               | 56.5                        | 51.5    | 53.5    | 53.3    | 54.4    | 54.5        | 54.5    | 54.5        | 54.5        |
| GE 3000               | 57.5                        | 52.5    | 54.8    | 55.0    | 55.5    | 55.7        | 55.7    | 55.7        | 55.7        |
| GE 2500               | 58.2                        | 54.2    | 57.0    | 57.3    | 57.5    | 58.0        | 58.0    | 58.1        | 58.1        |
| GE 2000               | 58.5                        | 57.7    | 71.5    | 72.0    | 73.0    | 73.4        | 73.4    | 73.5        | 73.5        |
| GE 1800               | 58.0                        | 53.4    | 72.3    | 73.0    | 74.1    | 74.4        | 74.4    | 74.5        | 74.5        |
| GE 1500               | 64.5                        | 70.2    | 74.4    | 75.1    | 75.3    | 75.7        | 75.7    | 77.0        | 77.1        |
| GE 1200               | 65.7                        | 71.5    | 75.0    | 75.9    | 76.1    | 78.4        | 78.4    | 78.9        | 79.0        |
| GE 1000               | 65.1                        | 72.1    | 75.9    | 78.1    | 77.5    | 80.0        | 80.0    | 80.4        | 80.5        |
| GE 900                | 66.2                        | 72.2    | 77.1    | 78.4    | 80.0    | 80.3        | 80.3    | 80.3        | 80.9        |
| GE 800                | 67.0                        | 73.1    | 78.5    | 80.3    | 82.0    | 82.6        | 82.6    | 83.0        | 83.2        |
| GE 700                | 67.5                        | 74.0    | 79.9    | 81.9    | 84.0    | 84.8        | 84.3    | 85.4        | 85.5        |
| GE 600                | 67.6                        | 74.9    | 80.9    | 83.4    | 85.0    | 86.9        | 86.9    | 87.5        | 87.4        |
| GE 500                | 67.5                        | 75.1    | 81.5    | 84.3    | 87.4    | 88.7        | 89.2    | 90.1        | 90.2        |
| GE 400                | 67.7                        | 75.3    | 82.3    | 85.3    | 89.0    | 90.9        | 91.5    | 93.6        | 93.8        |
| GE 300                | 67.7                        | 75.3    | 82.3    | 85.4    | 89.3    | 91.2        | 92.3    | 94.5        | 94.9        |
| GE 200                | 67.7                        | 75.5    | 82.5    | 85.5    | 89.5    | 91.4        | 92.9    | 95.4        | 95.9        |
| GE 100                | 67.7                        | 75.5    | 82.5    | 85.5    | 89.5    | 91.4        | 93.1    | 95.5        | 95.9        |
| GE 500                | 67.7                        | 75.5    | 82.5    | 85.5    | 89.5    | 91.4        | 93.1    | 95.5        | 95.9        |

TOTAL NUMBER OF OBSERVATIONS 240

# GSE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AFB 64

PERIOD OF RECORD: JUN 73 - MAY 83  
 MONTH: FEB HOURS: 09-11

## CEILING IN STATUTE MILES

| 0<br>1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
|----------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 42.4     | 42.4    | 42.4        | 42.4        | 42.4    | 42.4      | 42.4      | 42.4      | 42.4      | 42.4      | 42.5    |
| 43.5     | 43.5    | 43.5        | 43.5        | 43.5    | 43.5      | 43.5      | 43.5      | 43.5      | 43.5      | 43.5    |
| 43.8     | 43.8    | 43.8        | 43.8        | 43.8    | 43.8      | 43.8      | 43.8      | 43.8      | 43.8      | 43.8    |
| 43.8     | 43.8    | 43.8        | 43.8        | 43.8    | 43.8      | 43.8      | 43.8      | 43.8      | 43.8      | 43.8    |
| 49.1     | 49.1    | 49.1        | 49.1        | 49.1    | 49.1      | 49.1      | 49.1      | 49.1      | 49.1      | 49.4    |
| 50.2     | 50.2    | 50.2        | 50.2        | 50.2    | 50.2      | 50.2      | 50.2      | 50.2      | 50.2      | 50.4    |
| 53.5     | 53.5    | 53.5        | 53.5        | 53.5    | 53.5      | 53.5      | 53.5      | 53.5      | 53.5      | 53.7    |
| 54.1     | 54.1    | 54.1        | 54.1        | 54.1    | 54.1      | 54.1      | 54.1      | 54.1      | 54.1      | 54.3    |
| 55.2     | 55.2    | 55.2        | 55.2        | 55.2    | 55.2      | 55.2      | 55.2      | 55.2      | 55.2      | 55.4    |
| 56.7     | 56.7    | 56.7        | 56.7        | 56.7    | 56.7      | 56.7      | 56.7      | 56.7      | 56.7      | 56.7    |
| 57.1     | 57.1    | 57.1        | 57.1        | 57.1    | 57.1      | 57.1      | 57.1      | 57.1      | 57.1      | 57.4    |
| 60.5     | 60.5    | 60.5        | 60.5        | 60.5    | 60.5      | 60.5      | 60.5      | 60.5      | 60.5      | 61.0    |
| 62.1     | 62.1    | 62.1        | 62.1        | 62.1    | 62.1      | 62.1      | 62.1      | 62.1      | 62.1      | 62.3    |
| 63.5     | 63.5    | 63.5        | 63.5        | 63.5    | 63.5      | 63.5      | 63.5      | 63.5      | 63.5      | 64.1    |
| 64.5     | 64.5    | 64.5        | 64.5        | 64.5    | 64.5      | 64.5      | 64.5      | 64.5      | 64.5      | 64.3    |
| 65.7     | 65.7    | 65.7        | 65.7        | 65.7    | 65.7      | 65.7      | 65.7      | 65.7      | 65.7      | 66.0    |
| 68.1     | 68.1    | 68.1        | 68.1        | 68.1    | 68.1      | 68.1      | 68.1      | 68.1      | 68.1      | 68.3    |
| 73.4     | 73.4    | 73.5        | 73.5        | 73.5    | 73.5      | 73.5      | 73.5      | 73.5      | 73.5      | 73.7    |
| 74.4     | 74.4    | 74.5        | 74.5        | 74.5    | 74.5      | 74.5      | 74.5      | 74.5      | 74.5      | 74.5    |
| 75.7     | 75.7    | 77.0        | 77.1        | 77.1    | 77.1      | 77.1      | 77.1      | 77.1      | 77.1      | 77.4    |
| 78.9     | 78.9    | 79.0        | 79.0        | 79.0    | 79.0      | 79.0      | 79.0      | 79.0      | 79.0      | 79.3    |
| 80.5     | 80.5    | 80.6        | 80.6        | 80.6    | 80.6      | 80.6      | 80.6      | 80.6      | 80.6      | 80.3    |
| 80.8     | 80.8    | 80.8        | 80.8        | 80.8    | 80.8      | 80.8      | 80.8      | 80.8      | 80.8      | 81.2    |
| 82.5     | 82.5    | 83.0        | 83.2        | 83.2    | 83.2      | 83.2      | 83.2      | 83.2      | 83.2      | 83.4    |
| 84.3     | 84.3    | 85.4        | 85.5        | 85.5    | 85.5      | 85.5      | 85.5      | 85.5      | 85.5      | 85.7    |
| 85.9     | 85.9    | 87.5        | 87.8        | 87.8    | 87.8      | 87.8      | 87.8      | 87.8      | 87.8      | 88.0    |
| 89.2     | 89.2    | 90.1        | 90.2        | 90.2    | 90.3      | 90.3      | 90.3      | 90.3      | 90.3      | 90.5    |
| 91.5     | 91.5    | 93.5        | 93.8        | 94.1    | 94.2      | 94.2      | 94.5      | 94.5      | 94.5      | 94.7    |
| 92.3     | 92.3    | 94.5        | 94.9        | 95.5    | 95.2      | 95.2      | 95.6      | 95.7      | 95.7      | 95.9    |
| 92.9     | 92.9    | 95.4        | 95.9        | 95.5    | 97.3      | 97.4      | 98.1      | 98.5      | 98.5      | 99.1    |
| 93.1     | 93.1    | 95.5        | 95.0        | 95.7    | 97.4      | 97.5      | 98.2      | 98.7      | 98.8      | 99.9    |
| 93.1     | 93.1    | 95.5        | 95.0        | 95.7    | 97.4      | 97.5      | 98.2      | 98.7      | 98.8      | 100.0   |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATION

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

0001  
MONTH

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>5 | GE<br>3 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 40.4                        | 41.0    | 41.2    | 41.2    | 41.2    | 41.2        | 41.2    | 41.2        | 41.2        | 41.2    |
| GE 20000              | 48.9                        | 49.5    | 49.7    | 49.7    | 49.7    | 49.7        | 49.7    | 49.7        | 49.7        | 49.7    |
| GE 18000              | 49.4                        | 49.9    | 50.2    | 50.2    | 50.2    | 50.2        | 50.2    | 50.2        | 50.2        | 50.2    |
| GE 16000              | 49.4                        | 49.9    | 50.2    | 50.2    | 50.2    | 50.2        | 50.2    | 50.2        | 50.2        | 50.2    |
| GE 14000              | 49.8                        | 50.4    | 50.5    | 50.5    | 50.5    | 50.5        | 50.5    | 50.5        | 50.5        | 50.5    |
| GE 12000              | 50.5                        | 51.5    | 51.8    | 51.8    | 51.8    | 51.8        | 51.8    | 51.8        | 51.8        | 51.8    |
| GE 10000              | 55.1                        | 57.4    | 57.5    | 57.5    | 57.5    | 57.5        | 57.5    | 57.5        | 57.5        | 57.5    |
| GE 9000               | 55.7                        | 58.0    | 58.2    | 58.2    | 58.2    | 58.2        | 58.2    | 58.2        | 58.2        | 58.2    |
| GE 8000               | 58.0                        | 59.2    | 59.5    | 59.5    | 59.5    | 59.5        | 59.5    | 59.5        | 59.5        | 59.5    |
| GE 7000               | 58.3                        | 59.6    | 59.8    | 59.8    | 59.8    | 59.8        | 59.8    | 59.8        | 59.8        | 59.8    |
| GE 6000               | 59.5                        | 60.1    | 60.3    | 60.3    | 60.3    | 60.3        | 60.3    | 60.3        | 60.3        | 60.3    |
| GE 5000               | 60.2                        | 61.5    | 61.7    | 61.7    | 61.7    | 62.1        | 62.1    | 62.1        | 62.1        | 62.1    |
| GE 4500               | 61.7                        | 63.0    | 63.4    | 63.4    | 63.4    | 63.7        | 63.7    | 63.7        | 63.7        | 63.7    |
| GE 4000               | 63.7                        | 65.5    | 65.1    | 65.2    | 65.2    | 65.4        | 65.4    | 65.4        | 65.4        | 65.4    |
| GE 3500               | 64.7                        | 66.3    | 67.3    | 67.4    | 67.5    | 68.0        | 68.0    | 68.0        | 68.0        | 68.0    |
| GE 3000               | 65.5                        | 67.5    | 68.3    | 68.4    | 68.5    | 69.0        | 69.0    | 69.0        | 69.0        | 69.0    |
| GE 2500               | 68.5                        | 70.5    | 71.4    | 71.5    | 71.5    | 72.1        | 72.1    | 72.1        | 72.1        | 72.1    |
| GE 2000               | 70.5                        | 72.4    | 74.3    | 74.4    | 74.5    | 75.4        | 75.7    | 75.7        | 75.7        | 75.7    |
| GE 1800               | 71.1                        | 73.5    | 74.9    | 75.0    | 75.5    | 75.9        | 76.3    | 76.3        | 76.3        | 76.3    |
| GE 1500               | 73.5                        | 75.2    | 74.4    | 72.7    | 73.7    | 70.2        | 70.5    | 70.5        | 70.5        | 70.5    |
| GE 1200               | 75.3                        | 79.0    | 81.2    | 81.5    | 82.5    | 83.3        | 83.5    | 83.7        | 83.7        | 83.7    |
| GE 1000               | 76.0                        | 80.4    | 82.8    | 83.2    | 84.7    | 85.3        | 85.2    | 86.1        | 86.1        | 86.1    |
| GE 900                | 76.3                        | 80.8    | 83.4    | 83.7    | 85.4    | 86.0        | 85.8    | 86.9        | 86.9        | 86.9    |
| GE 800                | 76.9                        | 81.9    | 84.5    | 84.9    | 86.7    | 87.5        | 87.2    | 88.5        | 88.5        | 88.5    |
| GE 700                | 76.9                        | 82.0    | 85.2    | 85.7    | 88.0    | 88.9        | 89.9    | 90.0        | 90.1        | 90.1    |
| GE 600                | 77.0                        | 82.3    | 85.7    | 86.7    | 89.4    | 90.8        | 92.1    | 92.3        | 92.5        | 92.5    |
| GE 500                | 77.1                        | 82.7    | 86.2    | 87.5    | 90.5    | 92.3        | 94.2    | 94.8        | 94.7        | 94.7    |
| GE 400                | 77.1                        | 82.7    | 86.2    | 87.5    | 91.0    | 92.9        | 95.2    | 95.0        | 95.1        | 95.1    |
| GE 300                | 77.1                        | 82.8    | 86.3    | 87.8    | 91.2    | 93.3        | 95.5    | 95.7        | 97.1        | 97.1    |
| GE 200                | 77.1                        | 82.8    | 86.3    | 87.8    | 91.2    | 93.3        | 95.5    | 95.8        | 97.2        | 97.2    |
| GE 100                | 77.1                        | 82.8    | 86.3    | 87.8    | 91.2    | 93.3        | 95.5    | 95.8        | 97.2        | 97.2    |
| GE 000                | 77.1                        | 82.8    | 86.3    | 87.8    | 91.2    | 93.3        | 95.5    | 95.8        | 97.2        | 97.2    |

TOTAL NUMBER OF OBSERVATIONS 849

# 11. FREQUENCY OF OCCURRENCE OF CHILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

LAKE GA

PERIOD OF RECORD: JUN 73 - MAY 88  
MONTH: FEB HOURS: 12-14

.....  
VISIBILITY IN STATUTE MILES

|     | GE<br>1/2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
|-----|-----------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 0.0 | 41.2      | 41.2        | 41.2        | 41.2    | 41.2      | 41.2      | 41.2      | 41.2      | 41.2      | 41.2    |
| 0.7 | 49.7      | 49.7        | 49.7        | 49.7    | 49.7      | 49.7      | 49.7      | 49.7      | 49.7      | 49.7    |
| 0.2 | 50.2      | 50.2        | 50.2        | 50.2    | 50.2      | 50.2      | 50.2      | 50.2      | 50.2      | 50.2    |
| 0.2 | 50.2      | 50.2        | 50.2        | 50.2    | 50.2      | 50.2      | 50.2      | 50.2      | 50.2      | 50.2    |
| 0.5 | 50.5      | 50.5        | 50.5        | 50.5    | 50.5      | 50.5      | 50.5      | 50.5      | 50.5      | 50.5    |
| 0.8 | 51.8      | 51.8        | 51.8        | 51.8    | 51.8      | 51.8      | 51.8      | 51.8      | 51.8      | 51.8    |
| 0.4 | 57.5      | 57.5        | 57.5        | 57.5    | 57.5      | 57.5      | 57.5      | 57.5      | 57.5      | 57.5    |
| 0.2 | 58.2      | 58.2        | 58.2        | 58.2    | 58.2      | 58.2      | 58.2      | 58.2      | 58.2      | 58.2    |
| 0.5 | 59.5      | 59.5        | 59.5        | 59.5    | 59.5      | 59.5      | 59.5      | 59.5      | 59.5      | 59.5    |
| 0.8 | 59.8      | 59.8        | 59.8        | 59.8    | 59.8      | 59.8      | 59.8      | 59.8      | 59.8      | 59.8    |
| 0.3 | 60.3      | 60.3        | 60.3        | 60.3    | 60.3      | 60.3      | 60.3      | 60.3      | 60.3      | 60.3    |
| 0.1 | 62.1      | 62.1        | 62.1        | 62.1    | 62.1      | 62.1      | 62.1      | 62.1      | 62.1      | 62.1    |
| 0.7 | 63.7      | 63.7        | 63.7        | 63.7    | 63.7      | 63.7      | 63.7      | 63.7      | 63.7      | 63.7    |
| 0.5 | 65.5      | 65.5        | 65.5        | 65.5    | 65.5      | 65.5      | 65.5      | 65.5      | 65.5      | 65.5    |
| 0.2 | 66.0      | 66.0        | 66.0        | 66.0    | 66.0      | 66.0      | 66.0      | 66.0      | 66.0      | 66.0    |
| 0.2 | 69.0      | 69.0        | 69.0        | 69.0    | 69.0      | 69.0      | 69.0      | 69.0      | 69.0      | 69.0    |
| 0.1 | 72.1      | 72.1        | 72.1        | 72.1    | 72.1      | 72.1      | 72.1      | 72.1      | 72.1      | 72.1    |
| 0.8 | 75.7      | 75.7        | 75.7        | 75.7    | 75.7      | 75.7      | 75.7      | 75.7      | 75.7      | 75.7    |
| 0.5 | 76.3      | 76.3        | 76.3        | 76.3    | 76.3      | 76.3      | 76.3      | 76.3      | 76.3      | 76.3    |
| 0.8 | 80.6      | 80.6        | 80.6        | 80.6    | 80.6      | 80.6      | 80.6      | 80.6      | 80.6      | 80.6    |
| 0.2 | 83.7      | 83.7        | 83.7        | 83.7    | 83.7      | 83.7      | 83.7      | 83.7      | 83.7      | 83.7    |
| 0.3 | 85.1      | 85.1        | 85.1        | 85.1    | 85.1      | 85.1      | 85.1      | 85.1      | 85.1      | 85.1    |
| 0.1 | 85.9      | 85.9        | 85.9        | 85.9    | 85.9      | 85.9      | 85.9      | 85.9      | 85.9      | 85.9    |
| 0.5 | 88.5      | 88.5        | 88.5        | 88.5    | 88.5      | 88.5      | 88.5      | 88.5      | 88.5      | 88.5    |
| 0.8 | 90.1      | 90.1        | 90.1        | 90.1    | 90.1      | 90.1      | 90.1      | 90.1      | 90.1      | 90.1    |
| 0.5 | 92.1      | 92.3        | 92.5        | 92.7    | 92.7      | 92.7      | 92.7      | 92.7      | 92.7      | 92.7    |
| 0.8 | 94.2      | 94.8        | 94.9        | 95.2    | 95.2      | 95.2      | 95.3      | 95.2      | 95.3      | 95.3    |
| 0.8 | 95.2      | 95.9        | 96.1        | 96.5    | 96.5      | 96.5      | 96.5      | 96.5      | 96.5      | 96.5    |
| 0.5 | 95.5      | 95.7        | 97.1        | 97.3    | 98.0      | 98.0      | 98.4      | 98.4      | 98.4      | 98.4    |
| 0.3 | 98.5      | 98.3        | 97.2        | 98.0    | 98.2      | 98.2      | 98.7      | 98.7      | 98.9      | 99.1    |
| 0.3 | 98.5      | 98.3        | 97.2        | 98.2    | 98.5      | 98.5      | 98.9      | 99.3      | 99.5      | 100.0   |
| 0.8 | 98.5      | 98.3        | 97.2        | 98.2    | 98.5      | 98.5      | 98.9      | 99.3      | 99.5      | 100.0   |
| 0.8 | 98.5      | 98.3        | 97.2        | 98.2    | 98.5      | 98.5      | 98.9      | 99.3      | 99.5      | 100.0   |

OPERATING LOCATION "AA"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOWNS AFB GA  
LST TO UTC: + 5

TIME  
ZONE

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>5 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 40.4                        | 40.5    | 40.5    | 40.5    | 40.5    | 40.5        | 40.5    | 40.5        | 40.5        | 40.5    |
| GE 20000              | 50.3                        | 50.9    | 50.9    | 50.9    | 50.9    | 50.9        | 50.9    | 50.9        | 50.9        | 50.9    |
| GE 18000              | 51.4                        | 51.5    | 51.5    | 51.5    | 51.5    | 51.5        | 51.5    | 51.5        | 51.5        | 51.5    |
| GE 16000              | 51.5                        | 51.7    | 51.7    | 51.7    | 51.7    | 51.7        | 51.7    | 51.7        | 51.7        | 51.7    |
| GE 14000              | 52.7                        | 52.8    | 52.8    | 52.8    | 52.8    | 52.8        | 52.8    | 52.8        | 52.8        | 52.8    |
| GE 12000              | 53.0                        | 54.2    | 54.2    | 54.2    | 54.2    | 54.2        | 54.2    | 54.2        | 54.2        | 54.2    |
| GE 10000              | 57.3                        | 58.2    | 58.2    | 58.2    | 58.2    | 58.2        | 58.2    | 58.2        | 58.2        | 58.2    |
| GE 9000               | 58.4                        | 58.8    | 58.8    | 58.8    | 58.8    | 58.8        | 58.8    | 58.8        | 58.8        | 58.8    |
| GE 8000               | 59.2                        | 59.8    | 59.7    | 59.9    | 59.9    | 59.9        | 59.9    | 59.9        | 59.9        | 59.9    |
| GE 7000               | 60.5                        | 61.0    | 61.1    | 61.4    | 61.4    | 61.4        | 61.4    | 61.4        | 61.4        | 61.4    |
| GE 6000               | 60.8                        | 61.2    | 61.4    | 61.5    | 61.5    | 61.5        | 61.5    | 61.5        | 61.5        | 61.5    |
| GE 5000               | 63.4                        | 64.2    | 64.3    | 64.3    | 65.0    | 65.0        | 65.0    | 65.0        | 65.0        | 65.0    |
| GE 4500               | 64.4                        | 65.6    | 65.7    | 65.8    | 65.8    | 65.8        | 65.8    | 65.8        | 65.8        | 65.8    |
| GE 4000               | 67.0                        | 68.6    | 69.1    | 69.6    | 70.1    | 70.1        | 70.1    | 70.1        | 70.1        | 70.1    |
| GE 3500               | 68.1                        | 69.3    | 70.2    | 71.0    | 71.3    | 71.3        | 71.3    | 71.3        | 71.3        | 71.3    |
| GE 3000               | 70.1                        | 71.5    | 72.2    | 73.1    | 73.4    | 73.4        | 73.4    | 73.4        | 73.4        | 73.4    |
| GE 2500               | 72.7                        | 74.3    | 75.3    | 75.8    | 75.8    | 75.8        | 75.8    | 75.8        | 75.8        | 75.8    |
| GE 2000               | 74.3                        | 75.7    | 77.4    | 78.5    | 79.0    | 79.0        | 79.2    | 79.4        | 79.4        | 79.4    |
| GE 1800               | 75.3                        | 77.6    | 78.3    | 79.5    | 80.0    | 80.0        | 80.1    | 80.3        | 80.3        | 80.3    |
| GE 1600               | 77.5                        | 80.2    | 81.0    | 82.4    | 83.0    | 83.0        | 83.2    | 83.6        | 83.6        | 83.6    |
| GE 1400               | 78.1                        | 81.1    | 82.7    | 84.1    | 85.3    | 85.5        | 85.6    | 85.1        | 85.1        | 85.1    |
| GE 1200               | 79.4                        | 81.5    | 83.5    | 85.3    | 86.3    | 87.0        | 87.3    | 87.4        | 87.4        | 87.4    |
| GE 1000               | 79.5                        | 81.7    | 83.7    | 85.5    | 87.3    | 87.6        | 87.9    | 88.5        | 88.5        | 88.5    |
| GE 900                | 79.7                        | 81.9    | 84.0    | 85.1    | 87.9    | 88.3        | 88.5    | 89.4        | 89.4        | 89.4    |
| GE 800                | 79.7                        | 82.3    | 84.5    | 85.7    | 88.5    | 89.5        | 89.9    | 90.7        | 90.7        | 90.7    |
| GE 700                | 79.7                        | 82.7    | 84.9    | 87.5    | 90.2    | 91.0        | 91.3    | 92.6        | 92.6        | 92.6    |
| GE 600                | 79.8                        | 82.7    | 85.5    | 88.5    | 91.4    | 92.3        | 93.4    | 94.5        | 94.5        | 94.5    |
| GE 500                | 79.8                        | 82.7    | 85.5    | 88.5    | 91.5    | 92.7        | 94.2    | 95.3        | 95.5        | 95.5    |
| GE 400                | 79.8                        | 82.7    | 85.5    | 88.5    | 91.5    | 92.7        | 94.6    | 95.7        | 95.8        | 95.8    |
| GE 300                | 79.8                        | 82.7    | 85.5    | 88.5    | 91.5    | 92.7        | 94.6    | 95.8        | 97.1        | 97.1    |
| GE 200                | 79.8                        | 82.7    | 85.5    | 88.5    | 91.5    | 92.7        | 94.6    | 95.8        | 97.1        | 97.1    |
| GE 100                | 79.8                        | 82.7    | 85.5    | 88.5    | 91.5    | 92.7        | 94.6    | 95.8        | 97.1        | 97.1    |
| GE 000                | 79.8                        | 82.7    | 85.5    | 88.5    | 91.5    | 92.7        | 94.6    | 95.8        | 97.1        | 97.1    |

TOTAL NUMBER OF OBSERVATIONS 149

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

LAKE GA PERIOD OF RECORD: JUN 71 - MAY 72  
MONTH: FEB HOURS: 15-17

| VISIBILITY IN STATUTE MILES |         |             |             |         |           |           |           |           |           |         |
|-----------------------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 1/2                         | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| 0.0                         | 40.5    | 40.5        | 40.5        | 40.5    | 40.5      | 40.5      | 40.5      | 40.5      | 40.5      | 40.5    |
| 0.0                         | 50.9    | 50.9        | 50.9        | 50.9    | 50.9      | 50.9      | 50.9      | 50.9      | 50.9      | 50.9    |
| 0.0                         | 51.5    | 51.5        | 51.5        | 51.5    | 51.5      | 51.5      | 51.5      | 51.5      | 51.5      | 51.5    |
| 0.0                         | 51.7    | 51.7        | 51.7        | 51.7    | 51.7      | 51.7      | 51.7      | 51.7      | 51.7      | 51.7    |
| 0.0                         | 52.8    | 52.8        | 52.8        | 52.8    | 52.8      | 52.8      | 52.8      | 52.8      | 52.8      | 52.8    |
| 0.0                         | 54.2    | 54.2        | 54.2        | 54.2    | 54.2      | 54.2      | 54.2      | 54.2      | 54.2      | 54.2    |
| 0.0                         | 58.2    | 58.2        | 58.2        | 58.2    | 58.2      | 58.2      | 58.2      | 58.2      | 58.2      | 58.2    |
| 0.0                         | 58.3    | 58.3        | 58.3        | 58.3    | 58.3      | 58.3      | 58.3      | 58.3      | 58.3      | 58.3    |
| 0.0                         | 58.9    | 58.9        | 58.9        | 58.9    | 58.9      | 58.9      | 58.9      | 58.9      | 58.9      | 58.9    |
| 0.0                         | 51.4    | 51.4        | 51.4        | 51.4    | 51.4      | 51.4      | 51.4      | 51.4      | 51.4      | 51.4    |
| 0.0                         | 51.5    | 51.5        | 51.5        | 51.5    | 51.5      | 51.5      | 51.5      | 51.5      | 51.5      | 51.5    |
| 0.0                         | 55.0    | 55.0        | 55.0        | 55.0    | 55.0      | 55.0      | 55.0      | 55.0      | 55.0      | 55.0    |
| 0.0                         | 55.4    | 55.4        | 55.4        | 55.4    | 55.4      | 55.4      | 55.4      | 55.4      | 55.4      | 55.4    |
| 0.0                         | 70.1    | 70.1        | 70.1        | 70.1    | 70.1      | 70.1      | 70.1      | 70.1      | 70.1      | 70.1    |
| 0.0                         | 71.3    | 71.3        | 71.3        | 71.3    | 71.3      | 71.3      | 71.3      | 71.3      | 71.3      | 71.3    |
| 0.0                         | 73.4    | 73.4        | 73.4        | 73.4    | 73.4      | 73.4      | 73.4      | 73.4      | 73.4      | 73.4    |
| 0.0                         | 75.6    | 75.7        | 75.7        | 75.7    | 75.7      | 75.7      | 75.7      | 75.7      | 75.7      | 75.7    |
| 0.0                         | 77.2    | 77.4        | 77.4        | 77.4    | 77.4      | 77.4      | 77.4      | 77.4      | 77.4      | 77.4    |
| 0.0                         | 80.1    | 80.3        | 80.3        | 80.3    | 80.3      | 80.3      | 80.3      | 80.3      | 80.3      | 80.3    |
| 0.0                         | 83.5    | 83.5        | 83.5        | 83.5    | 83.5      | 83.5      | 83.5      | 83.5      | 83.5      | 83.5    |
| 0.0                         | 85.7    | 85.1        | 85.1        | 85.1    | 85.1      | 85.1      | 85.1      | 85.1      | 85.1      | 85.1    |
| 0.0                         | 87.3    | 87.5        | 87.5        | 87.5    | 87.5      | 87.5      | 87.5      | 87.5      | 87.5      | 87.5    |
| 0.0                         | 87.5    | 87.5        | 87.5        | 87.5    | 87.5      | 87.5      | 87.5      | 87.5      | 87.5      | 87.5    |
| 0.0                         | 89.5    | 89.5        | 89.5        | 89.5    | 89.5      | 89.5      | 89.5      | 89.5      | 89.5      | 89.5    |
| 0.0                         | 90.7    | 90.7        | 90.7        | 90.7    | 90.7      | 90.7      | 90.7      | 90.7      | 90.7      | 90.7    |
| 0.0                         | 91.5    | 91.5        | 91.5        | 91.5    | 91.5      | 91.5      | 91.5      | 91.5      | 91.5      | 91.5    |
| 0.0                         | 94.5    | 94.5        | 94.5        | 94.5    | 94.5      | 94.5      | 94.5      | 94.5      | 94.5      | 94.5    |
| 0.0                         | 96.2    | 96.3        | 96.5        | 97.5    | 97.5      | 97.5      | 97.5      | 97.5      | 97.5      | 97.5    |
| 0.0                         | 98.5    | 98.7        | 98.8        | 98.4    | 98.5      | 98.5      | 98.5      | 98.5      | 98.5      | 98.5    |
| 0.0                         | 98.5    | 98.5        | 97.1        | 98.3    | 99.2      | 99.2      | 99.2      | 99.5      | 99.5      | 99.5    |
| 0.0                         | 98.5    | 98.5        | 97.1        | 98.3    | 99.3      | 99.3      | 99.3      | 99.3      | 100.0     | 100.0   |
| 0.0                         | 98.5    | 98.5        | 97.1        | 98.3    | 99.3      | 99.3      | 99.3      | 99.3      | 100.0     | 100.0   |

OPERATING LOCATION: "A"  
USAF TAC, ASHVILLE- NC

PERCENTAGE EFFICIENCY OF COPIES OF  
100% FULLY

STATION NUMBER: 722270

STATION NAME: JOHNS AFB, CA  
LST TIME: + 8

CEILING

VISIBILITY IN STATED MILES

| IN<br>FOOT | 50<br>7 | 60<br>8 | 70<br>9 | 80<br>10 | 90<br>11 | 100<br>12 | 110<br>13 | 120<br>14 | 130<br>15 | 140<br>16 |
|------------|---------|---------|---------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 1000       | 46.4    | 46.5    | 46.6    | 46.7     | 46.8     | 46.9      | 47.0      | 47.1      | 47.2      | 47.3      |
| 2000       | 54.4    | 54.5    | 54.6    | 54.7     | 54.8     | 54.9      | 55.0      | 55.1      | 55.2      | 55.3      |
| 3000       | 54.5    | 54.6    | 54.7    | 54.8     | 54.9     | 55.0      | 55.1      | 55.2      | 55.3      | 55.4      |
| 4000       | 54.6    | 54.7    | 54.8    | 54.9     | 55.0     | 55.1      | 55.2      | 55.3      | 55.4      | 55.5      |
| 5000       | 54.7    | 54.8    | 54.9    | 55.0     | 55.1     | 55.2      | 55.3      | 55.4      | 55.5      | 55.6      |
| 6000       | 54.8    | 54.9    | 55.0    | 55.1     | 55.2     | 55.3      | 55.4      | 55.5      | 55.6      | 55.7      |
| 7000       | 54.9    | 55.0    | 55.1    | 55.2     | 55.3     | 55.4      | 55.5      | 55.6      | 55.7      | 55.8      |
| 8000       | 55.0    | 55.1    | 55.2    | 55.3     | 55.4     | 55.5      | 55.6      | 55.7      | 55.8      | 55.9      |
| 9000       | 55.1    | 55.2    | 55.3    | 55.4     | 55.5     | 55.6      | 55.7      | 55.8      | 55.9      | 56.0      |
| 10000      | 55.2    | 55.3    | 55.4    | 55.5     | 55.6     | 55.7      | 55.8      | 55.9      | 56.0      | 56.1      |
| 11000      | 55.3    | 55.4    | 55.5    | 55.6     | 55.7     | 55.8      | 55.9      | 56.0      | 56.1      | 56.2      |
| 12000      | 55.4    | 55.5    | 55.6    | 55.7     | 55.8     | 55.9      | 56.0      | 56.1      | 56.2      | 56.3      |
| 13000      | 55.5    | 55.6    | 55.7    | 55.8     | 55.9     | 56.0      | 56.1      | 56.2      | 56.3      | 56.4      |
| 14000      | 55.6    | 55.7    | 55.8    | 55.9     | 56.0     | 56.1      | 56.2      | 56.3      | 56.4      | 56.5      |
| 15000      | 55.7    | 55.8    | 55.9    | 56.0     | 56.1     | 56.2      | 56.3      | 56.4      | 56.5      | 56.6      |
| 16000      | 55.8    | 55.9    | 56.0    | 56.1     | 56.2     | 56.3      | 56.4      | 56.5      | 56.6      | 56.7      |
| 17000      | 55.9    | 56.0    | 56.1    | 56.2     | 56.3     | 56.4      | 56.5      | 56.6      | 56.7      | 56.8      |
| 18000      | 56.0    | 56.1    | 56.2    | 56.3     | 56.4     | 56.5      | 56.6      | 56.7      | 56.8      | 56.9      |
| 19000      | 56.1    | 56.2    | 56.3    | 56.4     | 56.5     | 56.6      | 56.7      | 56.8      | 56.9      | 57.0      |
| 20000      | 56.2    | 56.3    | 56.4    | 56.5     | 56.6     | 56.7      | 56.8      | 56.9      | 57.0      | 57.1      |
| 21000      | 56.3    | 56.4    | 56.5    | 56.6     | 56.7     | 56.8      | 56.9      | 57.0      | 57.1      | 57.2      |
| 22000      | 56.4    | 56.5    | 56.6    | 56.7     | 56.8     | 56.9      | 57.0      | 57.1      | 57.2      | 57.3      |
| 23000      | 56.5    | 56.6    | 56.7    | 56.8     | 56.9     | 57.0      | 57.1      | 57.2      | 57.3      | 57.4      |
| 24000      | 56.6    | 56.7    | 56.8    | 56.9     | 57.0     | 57.1      | 57.2      | 57.3      | 57.4      | 57.5      |
| 25000      | 56.7    | 56.8    | 56.9    | 57.0     | 57.1     | 57.2      | 57.3      | 57.4      | 57.5      | 57.6      |
| 26000      | 56.8    | 56.9    | 57.0    | 57.1     | 57.2     | 57.3      | 57.4      | 57.5      | 57.6      | 57.7      |
| 27000      | 56.9    | 57.0    | 57.1    | 57.2     | 57.3     | 57.4      | 57.5      | 57.6      | 57.7      | 57.8      |
| 28000      | 57.0    | 57.1    | 57.2    | 57.3     | 57.4     | 57.5      | 57.6      | 57.7      | 57.8      | 57.9      |
| 29000      | 57.1    | 57.2    | 57.3    | 57.4     | 57.5     | 57.6      | 57.7      | 57.8      | 57.9      | 58.0      |
| 30000      | 57.2    | 57.3    | 57.4    | 57.5     | 57.6     | 57.7      | 57.8      | 57.9      | 58.0      | 58.1      |
| 31000      | 57.3    | 57.4    | 57.5    | 57.6     | 57.7     | 57.8      | 57.9      | 58.0      | 58.1      | 58.2      |
| 32000      | 57.4    | 57.5    | 57.6    | 57.7     | 57.8     | 57.9      | 58.0      | 58.1      | 58.2      | 58.3      |
| 33000      | 57.5    | 57.6    | 57.7    | 57.8     | 57.9     | 58.0      | 58.1      | 58.2      | 58.3      | 58.4      |
| 34000      | 57.6    | 57.7    | 57.8    | 57.9     | 58.0     | 58.1      | 58.2      | 58.3      | 58.4      | 58.5      |
| 35000      | 57.7    | 57.8    | 57.9    | 58.0     | 58.1     | 58.2      | 58.3      | 58.4      | 58.5      | 58.6      |
| 36000      | 57.8    | 57.9    | 58.0    | 58.1     | 58.2     | 58.3      | 58.4      | 58.5      | 58.6      | 58.7      |
| 37000      | 57.9    | 58.0    | 58.1    | 58.2     | 58.3     | 58.4      | 58.5      | 58.6      | 58.7      | 58.8      |
| 38000      | 58.0    | 58.1    | 58.2    | 58.3     | 58.4     | 58.5      | 58.6      | 58.7      | 58.8      | 58.9      |
| 39000      | 58.1    | 58.2    | 58.3    | 58.4     | 58.5     | 58.6      | 58.7      | 58.8      | 58.9      | 59.0      |
| 40000      | 58.2    | 58.3    | 58.4    | 58.5     | 58.6     | 58.7      | 58.8      | 58.9      | 59.0      | 59.1      |
| 41000      | 58.3    | 58.4    | 58.5    | 58.6     | 58.7     | 58.8      | 58.9      | 59.0      | 59.1      | 59.2      |
| 42000      | 58.4    | 58.5    | 58.6    | 58.7     | 58.8     | 58.9      | 59.0      | 59.1      | 59.2      | 59.3      |
| 43000      | 58.5    | 58.6    | 58.7    | 58.8     | 58.9     | 59.0      | 59.1      | 59.2      | 59.3      | 59.4      |
| 44000      | 58.6    | 58.7    | 58.8    | 58.9     | 59.0     | 59.1      | 59.2      | 59.3      | 59.4      | 59.5      |
| 45000      | 58.7    | 58.8    | 58.9    | 59.0     | 59.1     | 59.2      | 59.3      | 59.4      | 59.5      | 59.6      |
| 46000      | 58.8    | 58.9    | 59.0    | 59.1     | 59.2     | 59.3      | 59.4      | 59.5      | 59.6      | 59.7      |
| 47000      | 58.9    | 59.0    | 59.1    | 59.2     | 59.3     | 59.4      | 59.5      | 59.6      | 59.7      | 59.8      |
| 48000      | 59.0    | 59.1    | 59.2    | 59.3     | 59.4     | 59.5      | 59.6      | 59.7      | 59.8      | 59.9      |
| 49000      | 59.1    | 59.2    | 59.3    | 59.4     | 59.5     | 59.6      | 59.7      | 59.8      | 59.9      | 60.0      |
| 50000      | 59.2    | 59.3    | 59.4    | 59.5     | 59.6     | 59.7      | 59.8      | 59.9      | 60.0      | 60.1      |
| 51000      | 59.3    | 59.4    | 59.5    | 59.6     | 59.7     | 59.8      | 59.9      | 60.0      | 60.1      | 60.2      |
| 52000      | 59.4    | 59.5    | 59.6    | 59.7     | 59.8     | 59.9      | 60.0      | 60.1      | 60.2      | 60.3      |
| 53000      | 59.5    | 59.6    | 59.7    | 59.8     | 59.9     | 60.0      | 60.1      | 60.2      | 60.3      | 60.4      |
| 54000      | 59.6    | 59.7    | 59.8    | 59.9     | 60.0     | 60.1      | 60.2      | 60.3      | 60.4      | 60.5      |
| 55000      | 59.7    | 59.8    | 59.9    | 60.0     | 60.1     | 60.2      | 60.3      | 60.4      | 60.5      | 60.6      |
| 56000      | 59.8    | 59.9    | 60.0    | 60.1     | 60.2     | 60.3      | 60.4      | 60.5      | 60.6      | 60.7      |
| 57000      | 59.9    | 60.0    | 60.1    | 60.2     | 60.3     | 60.4      | 60.5      | 60.6      | 60.7      | 60.8      |
| 58000      | 60.0    | 60.1    | 60.2    | 60.3     | 60.4     | 60.5      | 60.6      | 60.7      | 60.8      | 60.9      |
| 59000      | 60.1    | 60.2    | 60.3    | 60.4     | 60.5     | 60.6      | 60.7      | 60.8      | 60.9      | 61.0      |
| 60000      | 60.2    | 60.3    | 60.4    | 60.5     | 60.6     | 60.7      | 60.8      | 60.9      | 61.0      | 61.1      |
| 61000      | 60.3    | 60.4    | 60.5    | 60.6     | 60.7     | 60.8      | 60.9      | 61.0      | 61.1      | 61.2      |
| 62000      | 60.4    | 60.5    | 60.6    | 60.7     | 60.8     | 60.9      | 61.0      | 61.1      | 61.2      | 61.3      |
| 63000      | 60.5    | 60.6    | 60.7    | 60.8     | 60.9     | 61.0      | 61.1      | 61.2      | 61.3      | 61.4      |
| 64000      | 60.6    | 60.7    | 60.8    | 60.9     | 61.0     | 61.1      | 61.2      | 61.3      | 61.4      | 61.5      |
| 65000      | 60.7    | 60.8    | 60.9    | 61.0     | 61.1     | 61.2      | 61.3      | 61.4      | 61.5      | 61.6      |
| 66000      | 60.8    | 60.9    | 61.0    | 61.1     | 61.2     | 61.3      | 61.4      | 61.5      | 61.6      | 61.7      |
| 67000      | 60.9    | 61.0    | 61.1    | 61.2     | 61.3     | 61.4      | 61.5      | 61.6      | 61.7      | 61.8      |
| 68000      | 61.0    | 61.1    | 61.2    | 61.3     | 61.4     | 61.5      | 61.6      | 61.7      | 61.8      | 61.9      |
| 69000      | 61.1    | 61.2    | 61.3    | 61.4     | 61.5     | 61.6      | 61.7      | 61.8      | 61.9      | 62.0      |
| 70000      | 61.2    | 61.3    | 61.4    | 61.5     | 61.6     | 61.7      | 61.8      | 61.9      | 62.0      | 62.1      |
| 71000      | 61.3    | 61.4    | 61.5    | 61.6     | 61.7     | 61.8      | 61.9      | 62.0      | 62.1      | 62.2      |
| 72000      | 61.4    | 61.5    | 61.6    | 61.7     | 61.8     | 61.9      | 62.0      | 62.1      | 62.2      | 62.3      |
| 73000      | 61.5    | 61.6    | 61.7    | 61.8     | 61.9     | 62.0      | 62.1      | 62.2      | 62.3      | 62.4      |
| 74000      | 61.6    | 61.7    | 61.8    | 61.9     | 62.0     | 62.1      | 62.2      | 62.3      | 62.4      | 62.5      |
| 75000      | 61.7    | 61.8    | 61.9    | 62.0     | 62.1     | 62.2      | 62.3      | 62.4      | 62.5      | 62.6      |
| 76000      | 61.8    | 61.9    | 62.0    | 62.1     | 62.2     | 62.3      | 62.4      | 62.5      | 62.6      | 62.7      |
| 77000      | 61.9    | 62.0    | 62.1    | 62.2     | 62.3     | 62.4      | 62.5      | 62.6      | 62.7      | 62.8      |
| 78000      | 62.0    | 62.1    | 62.2    | 62.3     | 62.4     | 62.5      | 62.6      | 62.7      | 62.8      | 62.9      |
| 79000      | 62.1    | 62.2    | 62.3    | 62.4     | 62.5     | 62.6      | 62.7      | 62.8      | 62.9      | 63.0      |
| 80000      | 62.2    | 62.3    | 62.4    | 62.5     | 62.6     | 62.7      | 62.8      | 62.9      | 63.0      | 63.1      |
| 81000      | 62.3    | 62.4    | 62.5    | 62.6     | 62.7     | 62.8      | 62.9      | 63.0      | 63.1      | 63.2      |
| 82000      | 62.4    | 62.5    | 62.6    | 62.7     | 62.8     | 62.9      | 63.0      | 63.1      | 63.2      | 63.3      |
| 83000      | 62.5    | 62.6    | 62.7    | 62.8     | 62.9     | 63.0      | 63.1      | 63.2      | 63.3      | 63.4      |
| 84000      | 62.6    | 62.7    | 62.8    | 62.9     | 63.0     | 63.1      | 63.2      | 63.3      | 63.4      | 63.5      |
| 85000      | 62.7    | 62.8    | 62.9    | 63.0     | 63.1     | 63.2      | 63.3      | 63.4      | 63.5      | 63.6      |
| 86000      | 62.8    | 62.9    | 63.0    | 63.1     | 63.2     | 63.3      | 63.4      | 63.5      | 63.6      | 63.7      |
| 87000      | 62.9    | 63.0    | 63.1    | 63.2     | 63.3     | 63.4      | 63.5      | 63.6      | 63.7      | 63.8      |
| 88000      | 63.0    | 63.1    | 63.2    | 63.3     | 63.4     | 63.5      | 63.6      | 63.7      | 63.8      | 63.9      |
| 89000      | 63.1    | 63.2    | 63.3    | 63.4     | 63.5     | 63.6      | 63.7      | 63.8      | 63.9      | 64.0      |
| 90000      | 63.2    | 63.3    | 63.4    | 63.5     | 63.6     | 63.7      | 63.8      | 63.9      | 64.0      | 64.1      |
| 91000      | 63.3    | 63.4    | 63.5    | 63.6     | 63.7     | 63.8      | 63.9      | 64.0      | 64.1      | 64.2      |
| 92000      | 63.4    | 63.5    | 63.6    | 63.7     | 63.8     | 63.9      | 64.0      | 64.1      | 64.2      | 64.3      |
| 93000      | 63.5    | 63.6    | 63.7    | 63.8     | 63.9     | 64.0      | 64.1      | 64.2      | 64.3      | 64.4      |
| 94000      | 63.6    | 63.7    | 63.8    | 63.9     | 64.0     | 64.1      | 64.2      | 64.3      | 64.4      | 64.5      |
| 95000      | 63.7    | 63.8    | 63.9    | 64.0     | 64.1     | 64.2      | 64.3      | 64.4      | 64.5      | 64.6      |
| 96000      | 63.8    | 63.9    | 64.0    | 64.1     | 64.2     | 64.3      | 64.4      | 64.5      | 64.6      | 64.7      |
| 97000      | 63.9    | 64.0    | 64.1    | 64.2     | 64.3     | 64.4      | 64.5      | 64.6      | 64.7      | 64.8      |
| 98000      | 64.0    | 64.1    | 64.2    | 64.3     | 64.4     | 64.5      | 64.6      | 64.7      | 64.8      | 64.9      |
| 99000      | 64.1    | 64.2    | 64.3    | 64.4     | 64.5     | 64.6      | 64.7      | 64.8      | 64.9      | 65.0      |
| 100000     | 64.2    | 64.3    | 64.4    | 64.5     | 64.6     | 64.7      | 64.8      | 64.9      | 65.0      | 65.1      |

TOTAL 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000

### RELATIONSHIP OF OCCURRENCE OF CLILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

Figure 1

OFFICE OF RECORDS: JUN. 78 - MAY 85  
MONTH: FEB. YEARS: 19-20

MILEY IN STATUTE MILES[illegible]



OPERATING LOCATION NAME  
USARFAC, ASH-VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM 000-LY 145 4717

STATION NUMBER: 722270

STATION NAME: DUBSING APR 64  
LST TO JTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|-------------|
|                       | 50<br>7                     | 55<br>5 | 60<br>5 | 65<br>4 | 70<br>3 | 75<br>2 1/2 | 80<br>2 | 85<br>1 1/2 | 90<br>1 1/4 | 95<br>1 1/4 |
| NO CEIL               | 69.6                        | 69.6    | 69.6    | 69.6    | 69.6    | 69.6        | 69.6    | 69.6        | 69.6        | 69.6        |
| GT 20000              | 64.8                        | 64.8    | 64.8    | 64.8    | 64.8    | 64.8        | 64.8    | 64.8        | 64.8        | 64.8        |
| GT 18000              | 64.8                        | 65.0    | 65.4    | 65.4    | 65.4    | 65.4        | 65.4    | 65.4        | 65.4        | 65.4        |
| GE 16000              | 64.9                        | 65.1    | 65.5    | 65.5    | 65.5    | 65.5        | 65.5    | 65.5        | 65.5        | 65.5        |
| GE 14000              | 65.0                        | 65.2    | 65.5    | 65.5    | 65.5    | 65.5        | 65.5    | 65.5        | 65.5        | 65.5        |
| GE 12000              | 65.7                        | 66.1    | 66.4    | 66.4    | 66.4    | 66.4        | 66.4    | 66.4        | 66.4        | 66.4        |
| GT 10000              | 67.7                        | 68.1    | 68.4    | 68.4    | 68.4    | 68.4        | 68.4    | 68.4        | 68.4        | 68.4        |
| GT 9000               | 68.8                        | 69.1    | 69.5    | 69.5    | 69.5    | 69.5        | 69.5    | 69.5        | 69.5        | 69.5        |
| GE 8000               | 69.9                        | 70.6    | 70.9    | 70.9    | 70.9    | 70.9        | 70.9    | 70.9        | 70.9        | 70.9        |
| GE 7000               | 62.6                        | 62.7    | 63.0    | 63.1    | 63.1    | 63.1        | 63.1    | 63.1        | 63.1        | 63.1        |
| GE 6000               | 62.6                        | 62.7    | 64.2    | 64.3    | 64.3    | 64.3        | 64.3    | 64.3        | 64.3        | 64.3        |
| GT 5000               | 64.3                        | 65.7    | 65.5    | 65.7    | 65.7    | 65.7        | 65.7    | 65.7        | 65.7        | 65.7        |
| GE 4500               | 64.4                        | 65.1    | 65.2    | 67.2    | 67.2    | 67.2        | 67.2    | 67.2        | 67.2        | 67.2        |
| GE 4000               | 67.7                        | 69.8    | 71.0    | 71.1    | 71.4    | 71.5        | 71.5    | 71.5        | 71.5        | 71.5        |
| GE 3500               | 64.9                        | 71.0    | 72.2    | 72.3    | 72.5    | 72.7        | 72.8    | 72.8        | 72.8        | 72.8        |
| GE 3000               | 71.0                        | 73.3    | 74.2    | 74.4    | 75.1    | 75.4        | 75.5    | 75.5        | 75.5        | 75.5        |
| GT 2500               | 71.7                        | 74.1    | 75.4    | 75.5    | 75.7    | 77.1        | 77.5    | 77.5        | 77.5        | 77.5        |
| GT 2000               | 73.3                        | 75.9    | 77.2    | 77.4    | 77.7    | 80.1        | 80.5    | 80.5        | 80.5        | 80.5        |
| GE 1800               | 73.3                        | 75.9    | 77.2    | 77.4    | 77.7    | 80.1        | 80.5    | 80.5        | 80.5        | 80.5        |
| GE 1600               | 74.2                        | 77.2    | 81.4    | 82.0    | 82.3    | 82.7        | 83.2    | 83.2        | 83.2        | 83.2        |
| GE 1400               | 75.4                        | 77.4    | 82.2    | 82.2    | 83.5    | 83.8        | 84.3    | 84.3        | 84.3        | 84.3        |
| GT 1300               | 77.5                        | 78.6    | 82.7    | 83.2    | 84.2    | 85.2        | 85.5    | 85.5        | 85.5        | 85.5        |
| GT 1200               | 78.1                        | 79.2    | 83.5    | 85.2    | 85.7    | 86.3        | 87.4    | 87.4        | 87.4        | 87.4        |
| GE 1000               | 78.2                        | 79.4    | 84.1    | 86.2    | 87.5    | 87.9        | 88.5    | 88.5        | 88.5        | 88.5        |
| GE 900                | 78.5                        | 80.5    | 84.7    | 86.0    | 88.1    | 88.5        | 89.2    | 89.2        | 89.2        | 89.2        |
| GT 800                | 78.5                        | 80.1    | 84.0    | 87.3    | 88.5    | 89.8        | 90.2    | 90.2        | 90.2        | 90.2        |
| GT 700                | 78.5                        | 80.3    | 85.6    | 86.5    | 90.3    | 91.0        | 92.5    | 92.5        | 92.5        | 92.5        |
| GT 600                | 77.3                        | 80.2    | 85.1    | 88.4    | 91.2    | 92.3        | 94.2    | 94.5        | 94.5        | 94.5        |
| GT 500                | 77.5                        | 81.0    | 85.3    | 89.2    | 92.2    | 93.5        | 95.7    | 95.7        | 95.7        | 95.7        |
| GE 400                | 77.5                        | 81.2    | 87.0    | 90.8    | 92.4    | 93.5        | 95.7    | 97.2        | 97.2        | 97.2        |
| GT 300                | 77.5                        | 81.2    | 87.0    | 90.8    | 92.4    | 93.5        | 95.2    | 97.2        | 97.2        | 97.2        |
| GT 200                | 77.5                        | 81.2    | 87.0    | 90.8    | 92.4    | 93.5        | 95.2    | 97.2        | 97.2        | 97.2        |
| GT 100                | 77.5                        | 81.2    | 87.0    | 90.8    | 92.4    | 93.5        | 95.2    | 97.2        | 97.2        | 97.2        |

TOTAL NUMBER OF OBSERVATIONS 40

# THE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION 64 PERIOD OF RECORD: JUN 75 - MAY 80  
MONTH: FEB HOURS: 21-23

## CEILING IN STATUTE MILES

|       | 50   | 55    | 50    | 55   | 50   | 55   | 50   | 55   | 50   | 55   |
|-------|------|-------|-------|------|------|------|------|------|------|------|
| 1/2   | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/5  | 1/4  | 0    |
| 60.0  | 49.0 | 49.0  | 49.0  | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| 61.0  | 54.0 | 54.0  | 54.0  | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 |
| 62.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 63.0  | 55.5 | 55.5  | 55.5  | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| 64.0  | 55.5 | 55.5  | 55.5  | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| 65.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 66.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 67.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 68.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 69.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 70.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 71.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 72.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 73.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 74.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 75.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 76.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 77.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 78.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 79.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 80.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 81.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 82.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 83.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 84.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 85.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 86.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 87.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 88.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 89.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 90.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 91.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 92.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 93.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 94.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 95.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 96.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 97.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 98.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 99.0  | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 100.0 | 55.4 | 55.4  | 55.4  | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |

OPERATING LOCATION "A"  
USAFSTAC, ADRIEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM JANUARY THROUGH

STATION NUMBER: 722270

STATION NAME: OPERINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |  |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|--|
|                       | GE<br>7                     | GE<br>5 | GE<br>3 | GE<br>4 | GE<br>2 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |  |
| NO CEIL               | 42.7                        | 43.9    | 44.2    | 44.2    | 44.3    | 44.3        | 44.3    | 44.3        | 44.3        |  |
| GE 20000              | 44.3                        | 50.7    | 51.1    | 51.2    | 51.2    | 51.2        | 51.2    | 51.2        | 51.2        |  |
| GE 18000              | 43.7                        | 51.1    | 51.5    | 51.5    | 51.5    | 51.5        | 51.5    | 51.5        | 51.5        |  |
| GE 16000              | 43.7                        | 51.2    | 51.5    | 51.7    | 51.7    | 51.7        | 51.7    | 51.7        | 51.7        |  |
| GE 14000              | 50.3                        | 51.4    | 52.1    | 52.2    | 52.2    | 52.2        | 52.2    | 52.2        | 52.2        |  |
| GE 12000              | 51.3                        | 52.2    | 53.2    | 53.3    | 53.3    | 53.3        | 53.3    | 53.3        | 53.3        |  |
| GE 10000              | 54.7                        | 56.2    | 56.5    | 56.7    | 56.7    | 56.7        | 56.7    | 56.7        | 56.7        |  |
| GE 8000               | 55.4                        | 57.0    | 57.4    | 57.5    | 57.5    | 57.5        | 57.5    | 57.5        | 57.5        |  |
| GE 6000               | 57.2                        | 59.2    | 59.4    | 59.5    | 59.7    | 59.7        | 59.7    | 59.7        | 59.7        |  |
| GE 4000               | 57.7                        | 59.5    | 59.7    | 59.8    | 59.8    | 59.8        | 59.8    | 59.8        | 59.8        |  |
| GE 3000               | 57.3                        | 59.3    | 59.7    | 59.8    | 59.8    | 59.8        | 59.8    | 59.8        | 59.8        |  |
| GE 2000               | 57.4                        | 59.4    | 59.8    | 59.8    | 59.8    | 59.8        | 59.8    | 59.8        | 59.8        |  |
| GE 1500               | 57.4                        | 59.4    | 59.8    | 59.8    | 59.8    | 59.8        | 59.8    | 59.8        | 59.8        |  |
| GE 1000               | 57.4                        | 59.4    | 59.8    | 59.8    | 59.8    | 59.8        | 59.8    | 59.8        | 59.8        |  |
| GE 800                | 57.4                        | 59.4    | 59.8    | 59.8    | 59.8    | 59.8        | 59.8    | 59.8        | 59.8        |  |
| GE 600                | 57.4                        | 59.4    | 59.8    | 59.8    | 59.8    | 59.8        | 59.8    | 59.8        | 59.8        |  |
| GE 400                | 57.4                        | 59.4    | 59.8    | 59.8    | 59.8    | 59.8        | 59.8    | 59.8        | 59.8        |  |
| GE 300                | 57.4                        | 59.4    | 59.8    | 59.8    | 59.8    | 59.8        | 59.8    | 59.8        | 59.8        |  |
| GE 200                | 57.4                        | 59.4    | 59.8    | 59.8    | 59.8    | 59.8        | 59.8    | 59.8        | 59.8        |  |
| GE 100                | 57.4                        | 59.4    | 59.8    | 59.8    | 59.8    | 59.8        | 59.8    | 59.8        | 59.8        |  |
| GE 500                | 57.4                        | 59.4    | 59.8    | 59.8    | 59.8    | 59.8        | 59.8    | 59.8        | 59.8        |  |
| GE 400                | 57.4                        | 59.4    | 59.8    | 59.8    | 59.8    | 59.8        | 59.8    | 59.8        | 59.8        |  |
| GE 300                | 57.4                        | 59.4    | 59.8    | 59.8    | 59.8    | 59.8        | 59.8    | 59.8        | 59.8        |  |
| GE 200                | 57.4                        | 59.4    | 59.8    | 59.8    | 59.8    | 59.8        | 59.8    | 59.8        | 59.8        |  |
| GE 100                | 57.4                        | 59.4    | 59.8    | 59.8    | 59.8    | 59.8        | 59.8    | 59.8        | 59.8        |  |
| GE 500                | 57.4                        | 59.4    | 59.8    | 59.8    | 59.8    | 59.8        | 59.8    | 59.8        | 59.8        |  |

TOTAL NUMBER OF OBSERVATIONS 5354

P

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

WFO-34

PERIOD OF RECORD: JUN 70 - MAY 71  
MONTH: FEB HOURS: ALL

CEILING IN STATUTE MILES

| 1/2   | 3/4   | 1 1/2 | 1 3/4 | 2     | 2 1/4 | 2 1/2 | 3     | 3 1/2 | 4     | 5     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 44.3  | 44.3  | 44.3  | 44.3  | 44.3  | 44.3  | 44.3  | 44.3  | 44.3  | 44.3  | 44.3  |
| 51.2  | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  | 51.2  |
| 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  | 51.5  |
| 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  | 51.7  |
| 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  | 52.2  |
| 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  | 53.4  | 53.4  |
| 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  | 55.7  |
| 57.5  | 57.5  | 57.5  | 57.5  | 57.5  | 57.5  | 57.5  | 57.5  | 57.5  | 57.5  | 57.5  |
| 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  | 59.7  |
| 60.3  | 60.3  | 60.3  | 60.3  | 60.4  | 60.4  | 60.4  | 60.4  | 60.4  | 60.4  | 60.4  |
| 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.0  | 61.1  | 61.1  |
| 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  |
| 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.1  |
| 66.1  | 66.1  | 66.1  | 66.1  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  | 66.2  |
| 69.2  | 69.2  | 69.2  | 69.2  | 69.3  | 69.3  | 69.3  | 69.3  | 69.3  | 69.3  | 69.3  |
| 70.9  | 70.9  | 70.9  | 70.9  | 70.9  | 70.9  | 70.9  | 70.9  | 70.9  | 70.9  | 71.0  |
| 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  | 73.2  |
| 77.1  | 77.1  | 77.1  | 77.1  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  |
| 77.7  | 77.7  | 77.7  | 77.7  | 77.7  | 77.7  | 77.7  | 77.7  | 77.7  | 77.7  | 77.7  |
| 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  |
| 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  |
| 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  |
| 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  |
| 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  | 85.5  |
| 87.9  | 87.9  | 87.9  | 87.9  | 87.9  | 87.9  | 87.9  | 87.9  | 87.9  | 87.9  | 87.9  |
| 89.3  | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  |
| 90.1  | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  |
| 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  |
| 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  |
| 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  | 95.1  |
| 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  | 96.3  |
| 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  |
| 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  |
| 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FOR SUPPLY DISBURSEMENT

STATION NUMBER: 722270

STATION NAME: DRAVENS AFB GA  
LAT TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 48.7                        | 50.6    | 51.5    | 52.0    | 52.0    | 52.0        | 52.0    | 52.0        | 52.0        |
| GE 20000              | 51.3                        | 53.4    | 54.3    | 55.2    | 55.2    | 55.2        | 55.2    | 55.2        | 55.2        |
| GE 18000              | 51.3                        | 53.4    | 54.3    | 55.2    | 55.2    | 55.2        | 55.2    | 55.2        | 55.2        |
| GE 16000              | 51.3                        | 53.4    | 54.3    | 55.2    | 55.2    | 55.2        | 55.2    | 55.2        | 55.2        |
| GE 14000              | 51.3                        | 53.4    | 54.3    | 55.2    | 55.2    | 55.2        | 55.2    | 55.2        | 55.2        |
| GE 12000              | 52.3                        | 54.5    | 55.2    | 55.3    | 55.3    | 55.3        | 55.3    | 55.3        | 55.3        |
| GE 10000              | 54.8                        | 56.6    | 58.4    | 58.3    | 58.3    | 58.3        | 58.3    | 58.3        | 58.3        |
| GE 9000               | 55.2                        | 58.1    | 59.7    | 59.2    | 59.2    | 59.2        | 59.2    | 59.2        | 59.2        |
| GE 8000               | 53.4                        | 59.6    | 61.7    | 63.1    | 63.4    | 63.4        | 63.4    | 63.4        | 63.4        |
| GE 7000               | 58.3                        | 61.3    | 63.4    | 63.5    | 64.2    | 64.2        | 64.2    | 64.2        | 64.2        |
| GE 6000               | 53.7                        | 62.4    | 64.3    | 65.2    | 65.6    | 65.6        | 65.6    | 65.6        | 65.6        |
| GE 5000               | 52.7                        | 56.5    | 63.1    | 63.5    | 63.5    | 63.5        | 63.5    | 63.5        | 63.5        |
| GE 4500               | 53.1                        | 56.9    | 63.5    | 63.5    | 63.5    | 63.5        | 63.5    | 63.5        | 63.5        |
| GE 4000               | 54.9                        | 57.7    | 70.6    | 71.0    | 71.7    | 71.7        | 71.7    | 71.7        | 71.7        |
| GE 3500               | 56.2                        | 58.1    | 71.3    | 71.7    | 72.4    | 72.4        | 72.4    | 72.4        | 72.4        |
| GE 3000               | 56.3                        | 59.2    | 72.3    | 73.1    | 73.3    | 73.3        | 73.3    | 73.3        | 73.3        |
| GE 2500               | 54.5                        | 71.3    | 74.9    | 75.5    | 75.3    | 75.3        | 75.3    | 75.3        | 75.3        |
| GE 2000               | 71.3                        | 74.5    | 75.5    | 74.2    | 73.4    | 73.7        | 73.7    | 73.7        | 73.7        |
| GE 1800               | 71.3                        | 74.5    | 74.5    | 73.2    | 73.9    | 74.7        | 74.7    | 74.7        | 74.7        |
| GE 1600               | 72.4                        | 75.0    | 79.4    | 80.8    | 81.4    | 81.4        | 81.4    | 81.4        | 81.4        |
| GE 1400               | 74.2                        | 77.3    | 82.1    | 83.2    | 84.2    | 84.2        | 84.2    | 84.2        | 84.2        |
| GE 1200               | 74.9                        | 78.5    | 82.2    | 84.2    | 85.3    | 85.3        | 85.3    | 85.3        | 85.3        |
| GE 1000               | 75.3                        | 78.9    | 83.2    | 84.5    | 85.7    | 85.7        | 85.7    | 85.7        | 85.7        |
| GE 800                | 74.3                        | 79.5    | 83.9    | 85.7    | 87.1    | 87.1        | 87.1    | 87.1        | 87.1        |
| GE 700                | 76.2                        | 79.9    | 84.5    | 85.7    | 87.2    | 87.2        | 87.2    | 87.2        | 87.2        |
| GE 600                | 76.3                        | 80.6    | 85.3    | 87.5    | 89.2    | 89.2        | 89.2    | 89.2        | 89.2        |
| GE 500                | 75.7                        | 81.4    | 85.7    | 87.2    | 88.5    | 88.5        | 88.5    | 88.5        | 88.5        |
| GE 400                | 77.1                        | 81.7    | 87.1    | 89.5    | 92.3    | 93.2        | 94.3    | 95.0        | 95.0        |
| GE 300                | 77.1                        | 82.1    | 88.2    | 91.0    | 93.3    | 94.5        | 95.7    | 96.4        | 96.4        |
| GE 200                | 77.1                        | 82.1    | 88.2    | 91.4    | 94.5    | 95.0        | 95.1    | 96.3        | 96.3        |
| GE 100                | 77.1                        | 82.1    | 88.2    | 91.4    | 94.5    | 95.0        | 95.4    | 97.1        | 97.1        |

TOTAL NUMBER OF OBSERVATIONS 279

# FREQUENCY OF OCCURRENCE OF CLIMING VERSUS VISIBILITY FROM AIRCRAFT OBSERVATIONS

CH-53A

PERIOD OF RECORD: JUN 75 - MAY 80  
MONTH: MAR HOURS: 03-05

| FREQUENCY IN STATUTE MILES |      |       |       |      |      |      |      |      |      |       |
|----------------------------|------|-------|-------|------|------|------|------|------|------|-------|
| 0                          | 01   | 02    | 03    | 04   | 05   | 06   | 07   | 08   | 09   | 10    |
| 0                          | 1    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/8  | 1/4  | 0     |
| 52.0                       | 52.0 | 52.0  | 52.0  | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.7  |
| 53.2                       | 53.2 | 53.2  | 53.2  | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.5 | 53.5  |
| 54.2                       | 54.2 | 54.2  | 54.2  | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.6 | 54.6  |
| 55.2                       | 55.2 | 55.2  | 55.2  | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.6 | 55.6  |
| 56.3                       | 56.3 | 56.3  | 56.3  | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.6 | 57.0  |
| 58.3                       | 58.3 | 58.3  | 58.3  | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 59.1 | 59.1  |
| 60.2                       | 60.2 | 60.2  | 60.2  | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.5 | 60.7  |
| 63.4                       | 63.4 | 63.4  | 63.4  | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.8 | 64.2  |
| 64.2                       | 64.2 | 64.2  | 64.2  | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.5 | 64.9  |
| 65.5                       | 65.5 | 65.5  | 65.5  | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.7 | 66.3  |
| 68.5                       | 68.5 | 68.5  | 68.5  | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 69.2 | 69.5  |
| 69.5                       | 69.5 | 69.5  | 69.5  | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.9 | 70.3  |
| 71.7                       | 71.7 | 71.7  | 71.7  | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 72.0 | 72.4  |
| 72.4                       | 72.4 | 72.4  | 72.4  | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.7 | 73.1  |
| 73.5                       | 73.5 | 73.5  | 73.5  | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 74.2 | 74.5  |
| 75.3                       | 75.3 | 75.3  | 75.3  | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.7 | 77.1  |
| 79.3                       | 79.3 | 79.3  | 79.3  | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 80.3 | 80.5  |
| 79.9                       | 79.9 | 79.9  | 79.9  | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 80.3 | 80.5  |
| 81.4                       | 81.4 | 81.4  | 81.4  | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.7 | 82.1  |
| 84.2                       | 84.2 | 84.2  | 84.2  | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.5 | 84.9  |
| 85.3                       | 85.3 | 85.3  | 85.3  | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.7 | 86.0  |
| 85.7                       | 85.7 | 85.7  | 85.7  | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 86.0 | 86.4  |
| 87.1                       | 87.1 | 87.1  | 87.1  | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.5 | 87.5  |
| 88.2                       | 88.2 | 88.2  | 88.2  | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.5 | 88.9  |
| 89.2                       | 89.2 | 89.2  | 89.2  | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.5 | 90.0  |
| 92.3                       | 92.3 | 92.3  | 92.3  | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 93.2 | 93.5  |
| 95.3                       | 95.3 | 95.3  | 95.3  | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 96.7 | 96.1  |
| 96.7                       | 96.7 | 96.7  | 96.7  | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 97.1 | 97.5  |
| 96.1                       | 96.1 | 96.1  | 96.1  | 97.1 | 97.1 | 97.1 | 97.1 | 97.5 | 97.9 | 98.9  |
| 97.4                       | 97.4 | 97.4  | 97.4  | 97.5 | 97.5 | 97.5 | 97.5 | 98.2 | 98.5 | 98.6  |
| 97.4                       | 97.4 | 97.4  | 97.4  | 97.5 | 97.5 | 97.5 | 97.5 | 98.2 | 98.6 | 100.0 |

OPERATING LOCATION "AW"  
USAF TAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATION

STATION NUMBER: 722270

STATION NAME: JOBBINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 42.4                        | 45.3    | 45.0    | 45.1    | 47.2    | 47.2        | 47.5    | 47.5        | 47.5        | 47.5    |
| GE 20000              | 47.5                        | 50.3    | 51.5    | 52.4    | 52.5    | 52.5        | 53.1    | 53.1        | 53.1        | 53.1    |
| GE 18000              | 47.7                        | 50.2    | 51.7    | 52.5    | 52.7    | 52.9        | 53.2    | 53.2        | 53.2        | 53.2    |
| GE 16000              | 47.8                        | 51.0    | 51.3    | 52.5    | 53.0    | 53.0        | 53.3    | 53.3        | 53.3        | 53.3    |
| GE 14000              | 48.0                        | 51.1    | 52.0    | 52.8    | 53.2    | 53.2        | 53.5    | 53.5        | 53.5        | 53.5    |
| GE 12000              | 49.1                        | 52.5    | 53.4    | 54.2    | 54.5    | 54.5        | 54.7    | 54.7        | 54.7        | 54.7    |
| GE 10000              | 52.2                        | 55.7    | 56.3    | 57.5    | 58.2    | 58.2        | 58.5    | 58.5        | 58.5        | 58.5    |
| GE 9000               | 53.1                        | 55.7    | 57.7    | 58.5    | 59.1    | 59.1        | 59.5    | 59.5        | 59.5        | 59.5    |
| GE 8000               | 55.5                        | 57.2    | 59.5    | 61.5    | 61.9    | 61.9        | 62.3    | 62.3        | 62.3        | 62.3    |
| GE 7000               | 55.2                        | 59.2    | 61.5    | 62.4    | 62.7    | 62.7        | 63.2    | 63.2        | 63.2        | 63.2    |
| GE 6000               | 55.9                        | 61.2    | 62.5    | 63.3    | 63.9    | 63.9        | 64.2    | 64.2        | 64.2        | 64.2    |
| GE 5000               | 57.1                        | 63.4    | 64.2    | 65.2    | 65.9    | 65.9        | 66.2    | 66.2        | 66.2        | 66.2    |
| GE 4500               | 57.2                        | 64.2    | 65.7    | 65.9    | 67.5    | 67.5        | 68.2    | 68.2        | 68.2        | 68.2    |
| GE 4000               | 61.5                        | 65.1    | 67.5    | 69.2    | 70.0    | 70.1        | 70.4    | 70.4        | 70.4        | 70.4    |
| GE 3500               | 62.3                        | 65.3    | 68.3    | 69.7    | 70.3    | 70.3        | 71.2    | 71.2        | 71.2        | 71.2    |
| GE 3000               | 63.2                        | 67.7    | 69.2    | 70.3    | 71.2    | 71.2        | 72.3    | 72.3        | 72.3        | 72.3    |
| GE 2500               | 65.3                        | 70.2    | 71.3    | 73.4    | 74.5    | 74.7        | 75.2    | 75.2        | 75.2        | 75.2    |
| GE 2000               | 67.1                        | 72.0    | 73.3    | 75.4    | 75.7    | 75.5        | 77.2    | 77.3        | 77.4        | 77.4    |
| GE 1800               | 67.4                        | 72.5    | 74.2    | 75.3    | 77.1    | 77.2        | 77.5    | 77.7        | 77.7        | 77.7    |
| GE 1600               | 69.5                        | 74.5    | 76.5    | 77.2    | 77.5    | 79.5        | 80.2    | 80.1        | 80.2        | 80.2    |
| GE 1200               | 70.5                        | 75.7    | 73.1    | 79.3    | 81.4    | 81.5        | 81.7    | 82.3        | 82.2        | 82.2    |
| GE 1000               | 71.4                        | 75.5    | 73.2    | 81.1    | 82.1    | 83.1        | 83.7    | 83.8        | 83.9        | 83.9    |
| GE 900                | 71.7                        | 77.0    | 80.0    | 82.0    | 84.5    | 84.3        | 84.3    | 84.2        | 84.1        | 84.1    |
| GE 800                | 72.5                        | 75.5    | 82.0    | 84.7    | 87.0    | 87.3        | 86.1    | 85.2        | 85.3        | 85.3    |
| GE 700                | 72.2                        | 79.1    | 83.1    | 85.2    | 88.3    | 88.4        | 87.1    | 86.2        | 86.3        | 86.3    |
| GE 600                | 73.2                        | 79.5    | 83.7    | 85.5    | 89.2    | 89.5        | 88.3    | 87.4        | 87.3        | 87.3    |
| GE 500                | 73.5                        | 80.1    | 84.4    | 85.5    | 91.4    | 92.2        | 92.3    | 93.0        | 93.1        | 93.1    |
| GE 400                | 73.5                        | 80.1    | 84.7    | 85.4    | 92.3    | 93.0        | 94.2    | 94.5        | 94.7        | 94.7    |
| GE 300                | 73.5                        | 80.1    | 84.7    | 85.5    | 92.5    | 93.2        | 94.5    | 95.3        | 95.5        | 95.5    |
| GE 200                | 73.5                        | 80.1    | 84.7    | 85.5    | 92.7    | 93.4        | 94.9    | 95.5        | 95.5        | 95.5    |
| GE 100                | 73.5                        | 80.1    | 84.7    | 85.5    | 92.7    | 93.4        | 95.3    | 95.0        | 95.5        | 95.5    |
| GE 500                | 73.5                        | 80.1    | 84.7    | 85.5    | 92.7    | 93.4        | 93.3    | 95.0        | 95.5        | 95.5    |

TOTAL NUMBER OF OBSERVATIONS 947

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840  
84

PERIOD OF RECORD: JUN 75 - MAY 80  
MONTH: MAR HOURS: 06-02

|      | 5L<br>1 1/2 | 5L<br>2 | 5L<br>1 1/2 | 5L<br>1 1/4 | 5L<br>1 | 5L<br>3/4 | 5L<br>5/8 | 5L<br>1/2 | 5L<br>3/8 | 5L<br>1/4 | 5L<br>0 |
|------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 47.5 | 47.5        | 47.5    | 47.5        | 47.5        | 47.5    | 47.5      | 47.5      | 47.7      | 47.7      | 47.7      | 47.7    |
| 53.1 | 53.1        | 53.1    | 53.1        | 53.2        | 53.2    | 53.2      | 53.3      | 53.4      | 53.5      | 53.5      | 53.5    |
| 53.2 | 53.2        | 53.2    | 53.2        | 53.3        | 53.3    | 53.3      | 53.4      | 53.5      | 53.7      | 53.7      | 53.7    |
| 53.3 | 53.3        | 53.3    | 53.3        | 53.4        | 53.4    | 53.4      | 53.5      | 53.7      | 53.8      | 53.8      | 53.8    |
| 53.5 | 53.5        | 53.5    | 53.5        | 53.7        | 53.7    | 53.7      | 53.8      | 53.9      | 54.0      | 54.0      | 54.0    |
| 54.0 | 54.0        | 54.0    | 54.0        | 54.1        | 54.1    | 54.1      | 54.2      | 54.3      | 54.4      | 54.4      | 54.4    |
| 54.5 | 54.5        | 54.5    | 54.5        | 54.6        | 54.6    | 54.6      | 54.7      | 54.8      | 54.9      | 54.9      | 54.9    |
| 59.5 | 59.5        | 59.5    | 59.5        | 59.6        | 59.6    | 59.6      | 59.7      | 59.8      | 59.9      | 59.9      | 59.9    |
| 62.3 | 62.3        | 62.3    | 62.3        | 62.4        | 62.4    | 62.4      | 62.5      | 62.6      | 62.7      | 62.7      | 62.7    |
| 63.2 | 63.2        | 63.2    | 63.2        | 63.3        | 63.3    | 63.3      | 63.4      | 63.5      | 63.7      | 63.7      | 63.7    |
| 64.2 | 64.2        | 64.2    | 64.2        | 64.3        | 64.3    | 64.3      | 64.4      | 64.5      | 64.6      | 64.6      | 64.6    |
| 67.0 | 67.0        | 67.0    | 67.0        | 67.0        | 67.0    | 67.0      | 67.1      | 67.2      | 67.3      | 67.3      | 67.3    |
| 68.0 | 68.0        | 68.0    | 68.0        | 68.1        | 68.1    | 68.1      | 68.2      | 68.3      | 68.4      | 68.4      | 68.4    |
| 70.4 | 70.4        | 70.4    | 70.4        | 70.5        | 70.5    | 70.5      | 70.6      | 70.7      | 70.8      | 70.8      | 70.8    |
| 71.2 | 71.2        | 71.2    | 71.2        | 71.3        | 71.3    | 71.3      | 71.4      | 71.5      | 71.6      | 71.6      | 71.6    |
| 72.3 | 72.3        | 72.3    | 72.3        | 72.4        | 72.4    | 72.4      | 72.5      | 72.6      | 72.7      | 72.7      | 72.7    |
| 75.2 | 75.2        | 75.2    | 75.2        | 75.3        | 75.3    | 75.3      | 75.4      | 75.5      | 75.6      | 75.6      | 75.6    |
| 77.2 | 77.3        | 77.4    | 77.5        | 77.5        | 77.5    | 77.5      | 77.6      | 77.7      | 77.8      | 77.8      | 77.8    |
| 77.5 | 77.7        | 77.8    | 78.0        | 78.0        | 78.0    | 78.0      | 78.1      | 78.2      | 78.3      | 78.3      | 78.3    |
| 80.0 | 80.1        | 80.2    | 80.3        | 80.3        | 80.3    | 80.3      | 80.4      | 80.5      | 80.6      | 80.6      | 80.6    |
| 82.0 | 82.0        | 82.2    | 82.3        | 82.3        | 82.3    | 82.3      | 82.4      | 82.5      | 82.6      | 82.6      | 82.6    |
| 83.7 | 83.8        | 83.9    | 84.0        | 84.0        | 84.0    | 84.0      | 84.1      | 84.2      | 84.3      | 84.3      | 84.3    |
| 85.0 | 85.0        | 85.1    | 85.2        | 85.2        | 85.2    | 85.2      | 85.3      | 85.4      | 85.5      | 85.5      | 85.5    |
| 85.1 | 85.2        | 85.3    | 85.4        | 85.4        | 85.4    | 85.4      | 85.5      | 85.7      | 85.8      | 85.8      | 85.8    |
| 86.1 | 86.2        | 86.3    | 86.4        | 86.4        | 86.4    | 86.4      | 86.5      | 86.6      | 86.7      | 86.7      | 86.7    |
| 91.3 | 91.4        | 91.5    | 91.5        | 91.5        | 91.5    | 91.5      | 91.7      | 91.9      | 92.0      | 92.0      | 92.0    |
| 93.0 | 93.0        | 93.1    | 93.2        | 93.2        | 93.2    | 93.2      | 93.3      | 93.5      | 93.7      | 93.7      | 93.7    |
| 94.2 | 94.5        | 94.7    | 95.3        | 95.3        | 95.3    | 95.3      | 95.4      | 95.5      | 95.7      | 95.7      | 95.7    |
| 95.5 | 95.6        | 95.6    | 96.0        | 96.3        | 96.3    | 96.3      | 96.6      | 96.8      | 97.0      | 97.0      | 97.0    |
| 96.3 | 96.5        | 96.6    | 96.6        | 97.0        | 97.0    | 97.0      | 97.3      | 97.5      | 98.0      | 98.0      | 98.0    |
| 96.3 | 96.0        | 96.5    | 97.2        | 97.5        | 97.5    | 97.5      | 98.0      | 98.5      | 99.0      | 99.0      | 99.0    |
| 96.3 | 96.0        | 96.5    | 97.2        | 97.5        | 97.5    | 97.5      | 98.0      | 98.5      | 99.0      | 99.0      | 99.0    |



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM JULY 1950-1951

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GF<br>6 | GL<br>5 | GF<br>4 | GE<br>3 | GF<br>2 1/2 | GL<br>2 | GE<br>1 1/2 | GF<br>1 1/4 |
| NO CEIL               | 44.1                        | 45.7    | 47.5    | 49.1    | 49.2    | 49.2        | 49.2    | 49.2        | 49.2        |
| GF 20000              | 50.3                        | 50.9    | 54.8    | 55.3    | 55.4    | 55.4        | 55.4    | 55.4        | 55.4        |
| GE 18000              | 51.0                        | 54.1    | 55.1    | 55.5    | 55.5    | 55.5        | 55.5    | 55.5        | 55.5        |
| GF 16000              | 51.2                        | 54.3    | 55.3    | 55.7    | 55.8    | 55.8        | 55.8    | 55.8        | 55.8        |
| GE 14000              | 51.3                        | 54.4    | 55.4    | 55.8    | 55.9    | 55.9        | 55.9    | 55.9        | 55.9        |
| GF 12000              | 51.9                        | 55.2    | 55.1    | 55.5    | 55.7    | 55.7        | 55.7    | 55.7        | 55.7        |
| GF 10000              | 54.5                        | 58.1    | 59.0    | 59.5    | 59.5    | 59.5        | 59.5    | 59.5        | 59.5        |
| GE 9000               | 55.5                        | 57.9    | 59.7    | 59.3    | 59.4    | 59.4        | 59.4    | 59.4        | 59.4        |
| GF 8000               | 57.3                        | 51.1    | 62.0    | 62.5    | 62.5    | 62.5        | 62.5    | 62.5        | 62.5        |
| GE 7000               | 58.2                        | 52.0    | 63.0    | 63.4    | 63.5    | 63.5        | 63.5    | 63.5        | 63.5        |
| GF 6000               | 59.5                        | 53.5    | 64.5    | 64.9    | 65.1    | 65.1        | 65.1    | 65.1        | 65.1        |
| GF 5000               | 63.2                        | 64.8    | 65.8    | 66.2    | 66.3    | 66.3        | 66.3    | 66.3        | 66.3        |
| GF 4500               | 61.5                        | 65.5    | 65.5    | 67.7    | 67.1    | 67.2        | 67.2    | 67.2        | 67.2        |
| GF 4000               | 63.3                        | 67.4    | 68.7    | 69.2    | 69.5    | 69.5        | 69.5    | 69.5        | 69.5        |
| GE 3500               | 63.9                        | 71.1    | 69.5    | 70.1    | 70.4    | 70.5        | 70.5    | 70.5        | 70.5        |
| GF 3000               | 65.0                        | 70.2    | 71.6    | 72.5    | 73.0    | 73.1        | 73.1    | 73.2        | 73.2        |
| GF 2500               | 67.5                        | 72.9    | 74.5    | 75.6    | 75.9    | 75.9        | 75.9    | 75.9        | 75.9        |
| GE 2000               | 71.0                        | 75.3    | 77.4    | 78.3    | 78.9    | 79.0        | 79.4    | 79.7        | 79.7        |
| GE 1800               | 71.5                        | 75.9    | 78.2    | 79.1    | 79.3    | 79.3        | 80.2    | 80.5        | 80.5        |
| GE 1500               | 72.4                        | 77.4    | 79.5    | 80.5    | 81.5    | 81.5        | 81.9    | 82.3        | 82.3        |
| GE 1200               | 74.3                        | 79.2    | 81.7    | 82.9    | 84.2    | 84.1        | 84.4    | 84.7        | 84.9        |
| GF 1000               | 75.5                        | 80.6    | 83.4    | 85.1    | 85.2    | 85.3        | 85.7    | 87.3        | 87.3        |
| GE 900                | 75.8                        | 81.0    | 84.2    | 86.1    | 87.2    | 87.3        | 87.5    | 88.3        | 88.3        |
| GE 800                | 75.3                        | 81.3    | 84.9    | 87.2    | 87.5    | 87.7        | 89.2    | 89.9        | 89.9        |
| GE 700                | 75.9                        | 81.7    | 85.5    | 87.3    | 88.7    | 89.0        | 89.9    | 91.5        | 91.5        |
| GF 600                | 75.3                        | 81.3    | 85.1    | 86.9    | 90.5    | 91.4        | 92.5    | 93.5        | 93.5        |
| GF 500                | 75.2                        | 82.2    | 85.9    | 88.3    | 92.5    | 93.1        | 94.7    | 95.7        | 95.7        |
| GE 400                | 75.2                        | 82.2    | 85.9    | 88.3    | 92.9    | 93.7        | 95.7    | 97.0        | 97.1        |
| GF 300                | 75.2                        | 82.2    | 85.9    | 88.5    | 93.1    | 93.9        | 95.9    | 97.4        | 97.5        |
| GF 200                | 75.2                        | 82.2    | 85.9    | 90.5    | 93.1    | 93.9        | 95.1    | 97.5        | 97.5        |
| GF 100                | 75.2                        | 82.2    | 85.9    | 90.5    | 93.1    | 93.9        | 95.1    | 97.5        | 97.5        |
| GF 000                | 75.2                        | 82.2    | 85.9    | 90.5    | 93.1    | 93.9        | 95.1    | 97.5        | 97.5        |

TOTAL NUMBER OF OBSERVATIONS 930

# RELATIONSHIP OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM ADJUTANT OBSERVATIONS

STATION: 04 PERIOD OF RECORD: JUN 70 - MAY 71  
MONTH: MAR HOURS: 09-11

.....  
VISIBILITY IN STATUTE MILES

| 0     | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
|-------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 45.2  | 45.2    | 44.2        | 44.2        | 44.2    | 44.2      | 44.2      | 44.3      | 44.3      | 44.3      | 44.3    |
| 55.4  | 55.4    | 55.4        | 55.4        | 55.4    | 55.4      | 55.4      | 55.5      | 55.5      | 55.5      | 55.5    |
| 55.5  | 55.5    | 55.5        | 55.5        | 55.5    | 55.5      | 55.5      | 55.7      | 55.7      | 55.7      | 55.7    |
| 55.8  | 55.8    | 55.8        | 55.8        | 55.8    | 55.8      | 55.8      | 55.9      | 55.9      | 55.9      | 55.9    |
| 55.9  | 55.9    | 55.9        | 55.9        | 55.9    | 55.9      | 55.9      | 56.0      | 56.0      | 56.0      | 56.0    |
| 56.7  | 56.7    | 56.7        | 56.7        | 56.7    | 56.7      | 56.7      | 56.8      | 56.8      | 56.8      | 56.8    |
| 59.5  | 59.5    | 59.5        | 59.5        | 59.5    | 59.5      | 59.5      | 59.7      | 59.7      | 59.7      | 59.7    |
| 60.4  | 60.4    | 60.4        | 60.4        | 60.4    | 60.4      | 60.4      | 60.5      | 60.5      | 60.5      | 60.5    |
| 62.5  | 62.5    | 62.5        | 62.5        | 62.5    | 62.5      | 62.5      | 62.7      | 62.7      | 62.7      | 62.7    |
| 63.5  | 63.5    | 63.5        | 63.5        | 63.5    | 63.5      | 63.5      | 63.7      | 63.7      | 63.7      | 63.7    |
| 65.1  | 65.1    | 65.1        | 65.1        | 65.1    | 65.1      | 65.1      | 65.2      | 65.2      | 65.2      | 65.2    |
| 66.3  | 66.3    | 66.3        | 66.3        | 66.3    | 66.3      | 66.3      | 66.5      | 66.5      | 66.5      | 66.5    |
| 67.2  | 67.2    | 67.2        | 67.2        | 67.2    | 67.2      | 67.2      | 67.3      | 67.3      | 67.3      | 67.3    |
| 69.5  | 69.5    | 69.5        | 69.5        | 69.5    | 69.5      | 69.5      | 69.7      | 69.7      | 69.7      | 69.7    |
| 70.5  | 70.5    | 70.5        | 70.5        | 70.5    | 70.5      | 70.5      | 70.6      | 70.6      | 70.6      | 70.6    |
| 73.2  | 73.2    | 73.2        | 73.2        | 73.2    | 73.2      | 73.2      | 73.3      | 73.3      | 73.3      | 73.3    |
| 75.5  | 75.5    | 75.5        | 75.5        | 75.5    | 75.5      | 75.5      | 75.6      | 75.6      | 75.6      | 75.6    |
| 77.4  | 77.4    | 77.4        | 77.4        | 77.4    | 77.4      | 77.4      | 77.5      | 77.5      | 77.5      | 77.5    |
| 79.2  | 79.2    | 79.2        | 79.2        | 79.2    | 79.2      | 79.2      | 79.3      | 79.3      | 79.3      | 79.3    |
| 80.5  | 80.5    | 80.5        | 80.5        | 80.5    | 80.5      | 80.5      | 80.6      | 80.6      | 80.6      | 80.6    |
| 81.7  | 81.7    | 81.7        | 81.7        | 81.7    | 81.7      | 81.7      | 81.8      | 81.8      | 81.8      | 81.8    |
| 84.5  | 84.5    | 84.5        | 84.5        | 84.5    | 84.5      | 84.5      | 84.6      | 84.6      | 84.6      | 84.6    |
| 87.2  | 87.2    | 87.2        | 87.2        | 87.2    | 87.2      | 87.2      | 87.3      | 87.3      | 87.3      | 87.3    |
| 88.4  | 88.4    | 88.4        | 88.4        | 88.4    | 88.4      | 88.4      | 88.5      | 88.5      | 88.5      | 88.5    |
| 89.2  | 89.2    | 89.2        | 89.2        | 89.2    | 89.2      | 89.2      | 89.3      | 89.3      | 89.3      | 89.3    |
| 90.2  | 90.2    | 90.2        | 90.2        | 90.2    | 90.2      | 90.2      | 90.3      | 90.3      | 90.3      | 90.3    |
| 91.5  | 91.5    | 91.5        | 91.5        | 91.5    | 91.5      | 91.5      | 91.6      | 91.6      | 91.6      | 91.6    |
| 93.5  | 93.5    | 93.5        | 93.5        | 93.5    | 93.5      | 93.5      | 93.6      | 93.6      | 93.6      | 93.6    |
| 95.7  | 95.7    | 95.7        | 95.7        | 95.7    | 95.7      | 95.7      | 95.8      | 95.8      | 95.8      | 95.8    |
| 97.7  | 97.7    | 97.7        | 97.7        | 97.7    | 97.7      | 97.7      | 97.8      | 97.8      | 97.8      | 97.8    |
| 99.2  | 99.2    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.3      | 99.3      | 99.3      | 99.3    |
| 99.7  | 99.7    | 99.7        | 99.7        | 99.7    | 99.7      | 99.7      | 99.8      | 99.8      | 99.8      | 99.8    |
| 100.1 | 100.1   | 100.1       | 100.1       | 100.1   | 100.1     | 100.1     | 100.2     | 100.2     | 100.2     | 100.2   |
| 100.1 | 100.1   | 100.1       | 100.1       | 100.1   | 100.1     | 100.1     | 100.2     | 100.2     | 100.2     | 100.2   |

OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM 4000 LT. 155-1740

STATION NUMBER: 722270

STATION NAME: DODDINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 49.1                        | 49.2    | 49.4    | 49.4    | 49.4    | 49.4        | 49.4    | 49.4        | 49.4        |
| GE 3000               | 54.3                        | 55.1    | 55.2    | 55.2    | 55.2    | 55.2        | 55.2    | 55.2        | 55.2        |
| GE 1800               | 54.3                        | 55.1    | 55.3    | 55.3    | 55.3    | 55.3        | 55.3    | 55.3        | 55.3        |
| GE 1500               | 55.1                        | 55.3    | 55.5    | 55.5    | 55.5    | 55.5        | 55.5    | 55.5        | 55.5        |
| GE 1400               | 55.5                        | 55.5    | 57.1    | 57.1    | 57.1    | 57.1        | 57.1    | 57.1        | 57.1        |
| GE 1200               | 56.0                        | 57.3    | 57.5    | 57.5    | 57.5    | 57.5        | 57.5    | 57.5        | 57.5        |
| GE 1000               | 59.2                        | 51.5    | 51.5    | 51.5    | 51.5    | 51.5        | 51.5    | 51.5        | 51.5        |
| GE 800                | 51.1                        | 52.5    | 52.7    | 52.7    | 52.7    | 52.7        | 52.7    | 52.7        | 52.7        |
| GE 600                | 53.2                        | 54.4    | 55.1    | 55.1    | 55.1    | 55.1        | 55.1    | 55.1        | 55.1        |
| GE 700                | 53.2                        | 55.5    | 55.7    | 55.7    | 55.7    | 55.7        | 55.7    | 55.7        | 55.7        |
| GE 500                | 54.1                        | 55.5    | 55.7    | 55.7    | 55.7    | 55.7        | 55.7    | 55.7        | 55.7        |
| GE 400                | 55.5                        | 57.5    | 57.5    | 57.5    | 57.5    | 57.5        | 57.5    | 57.5        | 57.5        |
| GE 350                | 57.1                        | 57.5    | 59.1    | 59.1    | 59.1    | 59.1        | 59.1    | 59.1        | 59.1        |
| GE 300                | 57.1                        | 59.1    | 59.1    | 59.1    | 59.1    | 59.1        | 59.1    | 59.1        | 59.1        |
| GE 250                | 59.1                        | 59.1    | 59.1    | 59.1    | 59.1    | 59.1        | 59.1    | 59.1        | 59.1        |
| GE 200                | 59.1                        | 59.1    | 59.1    | 59.1    | 59.1    | 59.1        | 59.1    | 59.1        | 59.1        |
| GE 150                | 59.1                        | 59.1    | 59.1    | 59.1    | 59.1    | 59.1        | 59.1    | 59.1        | 59.1        |
| GE 100                | 59.1                        | 59.1    | 59.1    | 59.1    | 59.1    | 59.1        | 59.1    | 59.1        | 59.1        |
| GE 50                 | 59.1                        | 59.1    | 59.1    | 59.1    | 59.1    | 59.1        | 59.1    | 59.1        | 59.1        |
| GE 25                 | 59.1                        | 59.1    | 59.1    | 59.1    | 59.1    | 59.1        | 59.1    | 59.1        | 59.1        |
| GE 10                 | 59.1                        | 59.1    | 59.1    | 59.1    | 59.1    | 59.1        | 59.1    | 59.1        | 59.1        |
| GE 5                  | 59.1                        | 59.1    | 59.1    | 59.1    | 59.1    | 59.1        | 59.1    | 59.1        | 59.1        |
| GE 0                  | 59.1                        | 59.1    | 59.1    | 59.1    | 59.1    | 59.1        | 59.1    | 59.1        | 59.1        |

TOTAL NUMBER OF OBSERVATIONS 330

PERIOD OF RECORD: JUN 75 - MAY 76  
TENTH: MAY HOURS: 12-14

[illegible]

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM JULY 1964-71

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |           |           |           |            |
|-----------------------|-----------------------------|---------|---------|---------|---------|-----------|-----------|-----------|------------|
|                       | GE<br>7                     | GE<br>4 | GE<br>3 | GE<br>2 | GE<br>1 | GE<br>1/2 | GE<br>1/4 | GE<br>1/8 | GE<br>1/16 |
| NO CEIL               | 50.8                        | 50.9    | 50.9    | 50.9    | 50.9    | 50.9      | 50.9      | 50.9      | 50.9       |
| GE 20000              | 58.2                        | 58.3    | 58.3    | 58.3    | 58.3    | 58.3      | 58.3      | 58.3      | 58.3       |
| GE 18000              | 58.4                        | 58.5    | 58.5    | 58.5    | 58.5    | 58.5      | 58.5      | 58.5      | 58.5       |
| GE 16000              | 58.4                        | 58.5    | 58.5    | 58.5    | 58.5    | 58.5      | 58.5      | 58.5      | 58.5       |
| GE 14000              | 58.7                        | 58.8    | 58.8    | 58.8    | 58.8    | 58.8      | 58.8      | 58.8      | 58.8       |
| GE 12000              | 59.1                        | 59.2    | 59.2    | 59.2    | 59.2    | 59.2      | 59.2      | 59.2      | 59.2       |
| GE 10000              | 63.3                        | 64.1    | 64.1    | 64.1    | 64.1    | 64.1      | 64.1      | 64.1      | 64.1       |
| GE 9000               | 64.1                        | 64.2    | 64.2    | 64.2    | 64.2    | 64.2      | 64.2      | 64.2      | 64.2       |
| GE 8000               | 65.5                        | 67.4    | 67.4    | 67.4    | 67.4    | 67.4      | 67.4      | 67.4      | 67.4       |
| GE 7000               | 65.9                        | 67.2    | 67.3    | 67.3    | 67.3    | 67.3      | 67.3      | 67.3      | 67.3       |
| GE 6000               | 67.3                        | 68.3    | 68.3    | 68.4    | 68.4    | 68.4      | 68.4      | 68.4      | 68.4       |
| GE 5000               | 69.3                        | 70.8    | 71.0    | 71.1    | 71.1    | 71.2      | 71.3      | 71.3      | 71.3       |
| GE 4500               | 71.3                        | 72.4    | 72.5    | 72.7    | 72.7    | 72.9      | 73.0      | 73.2      | 73.2       |
| GE 4000               | 75.7                        | 77.1    | 77.4    | 77.5    | 77.7    | 77.7      | 77.7      | 77.7      | 77.7       |
| GE 3500               | 77.5                        | 78.9    | 79.2    | 79.5    | 79.7    | 79.7      | 79.7      | 79.7      | 79.7       |
| GE 3000               | 80.6                        | 82.3    | 82.7    | 83.0    | 83.1    | 83.3      | 83.7      | 83.8      | 83.9       |
| GE 2500               | 82.5                        | 84.5    | 85.1    | 85.4    | 85.5    | 85.6      | 85.7      | 85.8      | 85.8       |
| GE 2000               | 84.5                        | 86.3    | 87.3    | 87.5    | 87.7    | 88.1      | 88.4      | 88.6      | 88.6       |
| GE 1800               | 84.7                        | 87.1    | 87.7    | 88.1    | 88.4    | 88.6      | 88.7      | 88.8      | 88.8       |
| GE 1500               | 86.0                        | 88.5    | 89.4    | 89.8    | 90.2    | 90.5      | 91.0      | 91.2      | 91.2       |
| GE 1200               | 86.5                        | 89.7    | 90.5    | 91.5    | 91.7    | 92.5      | 92.8      | 93.0      | 93.0       |
| GE 1000               | 87.1                        | 90.3    | 91.7    | 92.9    | 93.4    | 94.1      | 94.7      | 94.9      | 94.9       |
| GE 900                | 87.1                        | 90.3    | 91.7    | 92.9    | 93.5    | 94.3      | 94.7      | 95.2      | 95.2       |
| GE 800                | 87.2                        | 90.5    | 92.0    | 93.3    | 94.2    | 95.2      | 95.7      | 95.8      | 95.8       |
| GE 700                | 87.3                        | 90.8    | 92.6    | 94.1    | 94.9    | 95.1      | 97.0      | 97.3      | 97.3       |
| GE 600                | 87.4                        | 91.0    | 92.3    | 94.4    | 95.5    | 96.7      | 97.3      | 98.3      | 98.3       |
| GE 500                | 87.4                        | 91.0    | 92.3    | 94.4    | 95.5    | 97.0      | 98.1      | 98.7      | 98.7       |
| GE 400                | 87.4                        | 91.0    | 92.3    | 94.4    | 95.5    | 97.2      | 98.5      | 99.1      | 99.1       |
| GE 300                | 87.4                        | 91.0    | 92.3    | 94.4    | 95.5    | 97.2      | 98.7      | 99.4      | 99.4       |
| GE 200                | 87.4                        | 91.0    | 92.3    | 94.4    | 95.5    | 97.2      | 98.7      | 99.5      | 99.5       |
| GE 100                | 87.4                        | 91.0    | 92.3    | 94.4    | 95.5    | 97.2      | 98.7      | 99.5      | 99.5       |
| GE 000                | 87.4                        | 91.0    | 92.3    | 94.4    | 95.5    | 97.2      | 98.7      | 99.5      | 99.5       |

TOTAL NUMBER OF OBSERVATIONS 930

# FREQUENCY OF OCCURRENCE OF CLILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AREA: SA

PERIOD OF RECORD: JUN 74 - MAY 81  
MONTH: APR HOURS: 16-17

## CLILING IN STATUTE MILES

|       | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|       | 2     | 1 1/2 | 1 1/4 | 1     | 3/4   | 5/8   | 1/2   | 3/8   | 1/4   | 0     |
| 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  |
| 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  |
| 52.6  | 52.6  | 52.6  | 52.6  | 52.6  | 52.6  | 52.6  | 52.6  | 52.6  | 52.6  | 52.6  |
| 53.9  | 53.9  | 53.9  | 53.9  | 53.9  | 53.9  | 53.9  | 53.9  | 53.9  | 53.9  | 53.9  |
| 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  |
| 56.5  | 56.5  | 56.5  | 56.5  | 56.5  | 56.5  | 56.5  | 56.5  | 56.5  | 56.5  | 56.5  |
| 57.8  | 57.8  | 57.8  | 57.8  | 57.8  | 57.8  | 57.8  | 57.8  | 57.8  | 57.8  | 57.8  |
| 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  |
| 60.4  | 60.4  | 60.4  | 60.4  | 60.4  | 60.4  | 60.4  | 60.4  | 60.4  | 60.4  | 60.4  |
| 61.7  | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  |
| 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  | 63.0  |
| 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  | 64.3  |
| 65.6  | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  | 65.6  |
| 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  |
| 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  |
| 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  |
| 70.8  | 70.8  | 70.8  | 70.8  | 70.8  | 70.8  | 70.8  | 70.8  | 70.8  | 70.8  | 70.8  |
| 72.1  | 72.1  | 72.1  | 72.1  | 72.1  | 72.1  | 72.1  | 72.1  | 72.1  | 72.1  | 72.1  |
| 73.4  | 73.4  | 73.4  | 73.4  | 73.4  | 73.4  | 73.4  | 73.4  | 73.4  | 73.4  | 73.4  |
| 74.7  | 74.7  | 74.7  | 74.7  | 74.7  | 74.7  | 74.7  | 74.7  | 74.7  | 74.7  | 74.7  |
| 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  |
| 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  |
| 78.6  | 78.6  | 78.6  | 78.6  | 78.6  | 78.6  | 78.6  | 78.6  | 78.6  | 78.6  | 78.6  |
| 79.9  | 79.9  | 79.9  | 79.9  | 79.9  | 79.9  | 79.9  | 79.9  | 79.9  | 79.9  | 79.9  |
| 81.2  | 81.2  | 81.2  | 81.2  | 81.2  | 81.2  | 81.2  | 81.2  | 81.2  | 81.2  | 81.2  |
| 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  |
| 83.8  | 83.8  | 83.8  | 83.8  | 83.8  | 83.8  | 83.8  | 83.8  | 83.8  | 83.8  | 83.8  |
| 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  | 85.1  |
| 86.4  | 86.4  | 86.4  | 86.4  | 86.4  | 86.4  | 86.4  | 86.4  | 86.4  | 86.4  | 86.4  |
| 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  | 87.7  |
| 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  |
| 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  | 90.3  |
| 91.6  | 91.6  | 91.6  | 91.6  | 91.6  | 91.6  | 91.6  | 91.6  | 91.6  | 91.6  | 91.6  |
| 92.9  | 92.9  | 92.9  | 92.9  | 92.9  | 92.9  | 92.9  | 92.9  | 92.9  | 92.9  | 92.9  |
| 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  | 94.2  |
| 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  |
| 96.8  | 96.8  | 96.8  | 96.8  | 96.8  | 96.8  | 96.8  | 96.8  | 96.8  | 96.8  | 96.8  |
| 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  | 98.1  |
| 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  |
| 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 |

OPERATING LOCATION "A"  
USAFETAG, ASHTVILLE MO

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 702070

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET |         |         |         |         |         | VISIBILITY IN STATUTE MILES |         |             |             |             |
|-----------------------|---------|---------|---------|---------|---------|-----------------------------|---------|-------------|-------------|-------------|
|                       | GE<br>7 | GE<br>5 | GE<br>3 | GE<br>4 | GE<br>3 | GE<br>2 1/2                 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 1/2 |
| NO CEIL               | 55.1    | 55.3    | 55.3    | 55.3    | 55.3    | 55.5                        | 55.5    | 55.5        | 55.5        | 55.5        |
| GE 20000              | 52.3    | 53.0    | 53.0    | 53.0    | 53.2    | 53.2                        | 53.2    | 53.2        | 53.2        | 53.2        |
| GE 18000              | 52.3    | 53.0    | 53.0    | 53.0    | 53.2    | 53.2                        | 53.2    | 53.2        | 53.2        | 53.2        |
| GE 16000              | 52.3    | 53.0    | 53.0    | 53.0    | 53.2    | 53.2                        | 53.2    | 53.2        | 53.2        | 53.2        |
| GE 14000              | 53.1    | 53.3    | 53.3    | 53.3    | 53.5    | 53.5                        | 53.5    | 53.5        | 53.5        | 53.5        |
| GE 12000              | 54.2    | 54.4    | 54.4    | 54.4    | 54.6    | 54.6                        | 54.6    | 54.6        | 54.6        | 54.6        |
| GE 10000              | 57.0    | 57.3    | 57.4    | 57.4    | 57.6    | 57.6                        | 57.6    | 57.6        | 57.6        | 57.6        |
| GE 9000               | 57.3    | 58.2    | 58.3    | 58.3    | 58.5    | 58.5                        | 58.5    | 58.5        | 58.5        | 58.5        |
| GE 8000               | 70.9    | 71.2    | 71.4    | 71.4    | 71.5    | 71.5                        | 71.5    | 71.5        | 71.5        | 71.5        |
| GE 7000               | 71.3    | 72.2    | 72.4    | 72.5    | 72.7    | 72.7                        | 72.7    | 72.7        | 72.7        | 72.7        |
| GE 6000               | 73.0    | 73.3    | 73.5    | 73.5    | 74.1    | 74.1                        | 74.1    | 74.1        | 74.1        | 74.1        |
| GE 5000               | 74.9    | 75.4    | 75.7    | 75.9    | 76.3    | 76.3                        | 76.3    | 76.3        | 76.3        | 76.3        |
| GE 4500               | 75.1    | 76.6    | 76.9    | 77.5    | 78.0    | 78.0                        | 78.0    | 78.0        | 78.0        | 78.0        |
| GE 4000               | 79.5    | 80.2    | 80.4    | 81.3    | 81.5    | 81.5                        | 81.5    | 81.5        | 81.5        | 81.5        |
| GE 3500               | 80.9    | 81.4    | 81.8    | 82.7    | 83.3    | 83.3                        | 83.3    | 83.3        | 83.3        | 83.3        |
| GE 3000               | 83.5    | 84.1    | 84.5    | 85.5    | 86.2    | 86.2                        | 86.2    | 86.2        | 86.2        | 86.2        |
| GE 2500               | 85.1    | 86.2    | 86.6    | 87.7    | 88.5    | 88.5                        | 88.5    | 88.5        | 88.5        | 88.5        |
| GE 2000               | 86.1    | 87.4    | 88.2    | 89.2    | 90.0    | 90.0                        | 90.0    | 90.0        | 90.0        | 90.0        |
| GE 1800               | 86.5    | 87.8    | 88.6    | 89.7    | 90.4    | 90.4                        | 90.4    | 90.4        | 90.4        | 90.4        |
| GE 1600               | 86.6    | 88.0    | 88.8    | 89.9    | 90.6    | 90.6                        | 90.6    | 90.6        | 90.6        | 90.6        |
| GE 1400               | 86.6    | 88.4    | 89.5    | 90.3    | 91.5    | 91.5                        | 91.5    | 91.5        | 91.5        | 91.5        |
| GE 1200               | 86.7    | 88.7    | 89.9    | 91.3    | 92.2    | 92.4                        | 92.7    | 92.7        | 92.7        | 92.7        |
| GE 1000               | 87.1    | 89.2    | 90.4    | 91.9    | 92.3    | 93.4                        | 93.9    | 93.9        | 93.9        | 93.9        |
| GE 900                | 87.5    | 89.7    | 91.1    | 92.7    | 93.7    | 94.5                        | 95.1    | 95.2        | 95.2        | 95.2        |
| GE 800                | 87.7    | 90.7    | 91.8    | 93.5    | 94.5    | 95.4                        | 96.0    | 96.2        | 96.2        | 96.2        |
| GE 700                | 87.7    | 90.2    | 92.2    | 93.9    | 94.9    | 95.9                        | 96.5    | 97.0        | 97.0        | 97.0        |
| GE 600                | 87.5    | 90.3    | 92.4    | 94.3    | 95.7    | 96.7                        | 97.4    | 98.0        | 98.0        | 98.0        |
| GE 500                | 87.5    | 90.3    | 92.5    | 94.5    | 96.0    | 97.1                        | 98.3    | 98.5        | 98.5        | 98.5        |
| GE 400                | 87.3    | 90.4    | 92.7    | 94.5    | 96.1    | 97.2                        | 98.5    | 99.1        | 99.1        | 99.1        |
| GE 300                | 87.3    | 90.4    | 92.7    | 94.5    | 96.1    | 97.2                        | 98.5    | 99.5        | 99.5        | 99.5        |
| GE 200                | 87.3    | 90.4    | 92.7    | 94.5    | 96.1    | 97.2                        | 98.5    | 99.5        | 99.5        | 99.5        |
| GE 100                | 87.3    | 90.4    | 92.7    | 94.5    | 96.1    | 97.2                        | 98.5    | 99.5        | 99.5        | 99.5        |
| GE 000                | 87.3    | 90.4    | 92.7    | 94.5    | 96.1    | 97.2                        | 98.5    | 99.5        | 99.5        | 99.5        |

TOTAL NUMBER OF OBSERVATIONS 930

6

PERIOD OF RECORD: JUN 73 - MAY 74  
MONTH: MAR BOOKS: 13-20

[illegible]



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM 100000 TO 1000000

STATION NUMBER: 722270

STATION NAME: DREHLS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>5 | GE<br>3 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 59.5                        | 59.5    | 59.5    | 59.5    | 59.5    | 59.5        | 59.5    | 59.5        | 59.5        |
| GE 20000              | 64.9                        | 65.1    | 65.6    | 65.3    | 65.3    | 65.3        | 65.3    | 65.3        | 65.3        |
| GE 18000              | 64.9                        | 65.1    | 65.6    | 65.3    | 65.3    | 65.3        | 65.3    | 65.3        | 65.3        |
| GE 16000              | 64.9                        | 65.1    | 65.6    | 65.3    | 65.3    | 65.3        | 65.3    | 65.3        | 65.3        |
| GE 14000              | 65.2                        | 65.3    | 65.3    | 65.3    | 65.3    | 65.3        | 65.3    | 65.3        | 65.3        |
| GE 12000              | 65.9                        | 65.9    | 67.4    | 67.5    | 67.5    | 67.5        | 67.5    | 67.5        | 67.5        |
| GE 10000              | 70.3                        | 70.1    | 70.3    | 70.3    | 70.3    | 70.3        | 70.3    | 70.3        | 70.3        |
| GE 9000               | 70.3                        | 71.0    | 71.5    | 71.7    | 71.7    | 71.7        | 71.7    | 71.7        | 71.7        |
| GE 8000               | 72.3                        | 72.4    | 73.0    | 73.3    | 73.3    | 73.3        | 73.3    | 73.3        | 73.3        |
| GE 7000               | 73.5                        | 73.7    | 74.3    | 74.5    | 74.5    | 74.5        | 74.5    | 74.5        | 74.5        |
| GE 6000               | 74.9                        | 75.1    | 75.7    | 75.9    | 75.9    | 75.9        | 75.9    | 75.9        | 75.9        |
| GE 5000               | 75.5                        | 75.5    | 77.4    | 77.3    | 78.1    | 78.1        | 78.1    | 78.1        | 78.1        |
| GE 4500               | 77.3                        | 77.6    | 78.3    | 78.7    | 79.0    | 79.0        | 79.0    | 79.0        | 79.0        |
| GE 4000               | 80.3                        | 80.9    | 81.5    | 82.0    | 82.5    | 82.5        | 82.5    | 82.5        | 82.5        |
| GE 3500               | 81.1                        | 81.6    | 82.4    | 82.4    | 83.2    | 83.2        | 83.2    | 83.3        | 83.3        |
| GE 3000               | 82.3                        | 83.3    | 84.2    | 84.7    | 85.3    | 85.3        | 85.3    | 85.4        | 85.4        |
| GE 2500               | 84.0                        | 84.7    | 85.6    | 85.3    | 85.9    | 85.9        | 85.9    | 87.0        | 87.3        |
| GE 2000               | 84.9                        | 85.7    | 85.5    | 87.3    | 87.3    | 87.3        | 87.3    | 88.0        | 88.0        |
| GE 1800               | 85.2                        | 85.0    | 85.9    | 87.5    | 88.2    | 88.2        | 88.2    | 88.3        | 88.3        |
| GE 1500               | 85.9                        | 85.8    | 87.7    | 88.7    | 89.4    | 89.4        | 89.4    | 89.5        | 89.5        |
| GE 1200               | 86.7                        | 88.0    | 89.1    | 90.2    | 91.0    | 91.0        | 91.1    | 91.2        | 91.2        |
| GE 1000               | 87.3                        | 88.9    | 90.5    | 91.5    | 92.5    | 92.5        | 92.5    | 92.7        | 92.7        |
| GE 900                | 88.0                        | 89.5    | 91.5    | 92.5    | 93.5    | 93.7        | 93.7    | 94.0        | 94.0        |
| GE 800                | 89.0                        | 89.3    | 91.5    | 92.7    | 93.9    | 94.5        | 94.7    | 94.5        | 94.5        |
| GE 700                | 89.0                        | 89.4    | 91.5    | 92.8    | 94.2    | 95.2        | 95.4    | 95.5        | 95.5        |
| GE 600                | 88.0                        | 89.9    | 91.7    | 93.4    | 94.3    | 95.8        | 95.0    | 96.1        | 95.1        |
| GE 500                | 89.1                        | 89.9    | 91.9    | 93.7    | 95.3    | 95.2        | 95.9    | 97.3        | 97.3        |
| GE 400                | 88.1                        | 89.9    | 92.0    | 94.2    | 95.5    | 95.9        | 97.5    | 95.1        | 95.1        |
| GE 300                | 89.1                        | 90.0    | 92.2    | 94.5    | 95.0    | 97.3        | 98.2    | 98.7        | 98.7        |
| GE 200                | 88.1                        | 90.0    | 92.3    | 94.5    | 95.1    | 97.4        | 98.3    | 98.9        | 98.9        |
| GE 100                | 88.1                        | 90.0    | 92.3    | 94.5    | 95.1    | 97.4        | 98.3    | 99.0        | 99.0        |
| GE 000                | 88.1                        | 90.0    | 92.3    | 94.5    | 95.1    | 97.4        | 98.3    | 99.0        | 99.0        |

TOTAL NUMBER OF OBSERVATIONS 930

1

PERIOD OF RECORD: JUN 78 - MAY 81  
MONTH: MAR HOURS: 21-23

| FACILITY IN STATUTE MILES |           |             |             |         |           |           |           |           |           |         |
|---------------------------|-----------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 0                         | SE<br>1/2 | SE<br>1 1/2 | SE<br>1 1/4 | SE<br>1 | SE<br>3/4 | SE<br>5/8 | SE<br>1/2 | SE<br>3/8 | SE<br>1/4 | SE<br>0 |
| 60.0                      | 60.3      | 60.3        | 60.3        | 60.3    | 60.4      | 60.4      | 60.4      | 60.4      | 60.5      | 60.5    |
| 60.5                      | 65.3      | 65.4        | 65.3        | 65.3    | 65.2      | 65.2      | 65.2      | 65.2      | 65.0      | 65.1    |
| 61.0                      | 65.3      | 65.3        | 65.3        | 65.2    | 65.2      | 65.2      | 65.2      | 65.2      | 65.0      | 65.1    |
| 61.5                      | 65.3      | 65.3        | 65.3        | 65.2    | 65.2      | 65.2      | 65.2      | 65.2      | 65.0      | 65.1    |
| 62.0                      | 65.3      | 65.3        | 65.3        | 65.2    | 65.2      | 65.2      | 65.2      | 65.2      | 65.2      | 65.3    |
| 62.5                      | 67.5      | 67.5        | 67.5        | 67.5    | 67.7      | 67.7      | 67.7      | 67.7      | 67.5      | 67.0    |
| 63.0                      | 70.9      | 70.9        | 70.9        | 70.9    | 71.0      | 71.0      | 71.0      | 71.0      | 71.1      | 71.2    |
| 63.5                      | 71.7      | 71.7        | 71.7        | 71.7    | 71.5      | 71.5      | 71.5      | 71.5      | 71.4      | 71.0    |
| 64.0                      | 73.3      | 73.3        | 73.3        | 73.3    | 73.4      | 73.4      | 73.4      | 73.4      | 73.5      | 73.7    |
| 64.5                      | 74.5      | 74.5        | 74.5        | 74.5    | 74.7      | 74.7      | 74.7      | 74.7      | 74.8      | 74.2    |
| 65.0                      | 75.2      | 75.2        | 75.2        | 75.2    | 75.1      | 75.1      | 75.1      | 75.1      | 75.2      | 75.3    |
| 65.5                      | 78.1      | 78.1        | 78.1        | 78.1    | 78.2      | 78.2      | 78.2      | 78.2      | 78.3      | 78.4    |
| 66.0                      | 79.0      | 79.0        | 79.0        | 79.0    | 79.1      | 79.1      | 79.1      | 79.1      | 79.2      | 79.4    |
| 66.5                      | 82.5      | 82.5        | 82.5        | 82.5    | 82.7      | 82.7      | 82.7      | 82.7      | 82.8      | 82.9    |
| 67.0                      | 83.2      | 83.3        | 83.3        | 83.3    | 83.4      | 83.4      | 83.4      | 83.4      | 83.5      | 83.7    |
| 67.5                      | 85.3      | 85.4        | 85.4        | 85.4    | 85.5      | 85.5      | 85.5      | 85.5      | 85.5      | 85.7    |
| 68.0                      | 87.0      | 87.0        | 87.0        | 87.0    | 87.1      | 87.1      | 87.1      | 87.1      | 87.2      | 87.3    |
| 68.5                      | 87.1      | 88.0        | 88.0        | 88.0    | 88.1      | 88.1      | 88.1      | 88.1      | 88.2      | 88.3    |
| 69.0                      | 88.2      | 88.3        | 88.3        | 88.3    | 88.4      | 88.4      | 88.4      | 88.4      | 88.5      | 88.5    |
| 69.5                      | 89.4      | 89.5        | 89.5        | 89.5    | 89.6      | 89.6      | 89.6      | 89.6      | 89.7      | 89.8    |
| 70.0                      | 91.1      | 91.2        | 91.2        | 91.2    | 91.3      | 91.3      | 91.3      | 91.3      | 91.4      | 91.5    |
| 70.5                      | 92.5      | 92.9        | 92.9        | 92.9    | 93.0      | 93.0      | 93.0      | 93.0      | 93.1      | 93.2    |
| 71.0                      | 93.7      | 94.0        | 94.0        | 94.0    | 94.1      | 94.1      | 94.1      | 94.1      | 94.2      | 94.3    |
| 71.5                      | 94.7      | 94.8        | 94.8        | 94.8    | 94.9      | 94.9      | 94.9      | 94.9      | 95.1      | 95.2    |
| 72.0                      | 95.4      | 95.5        | 95.5        | 95.5    | 95.6      | 95.6      | 95.6      | 95.6      | 95.7      | 95.8    |
| 72.5                      | 95.9      | 96.1        | 96.1        | 96.1    | 96.2      | 96.2      | 96.2      | 96.2      | 96.3      | 96.5    |
| 73.0                      | 96.9      | 97.3        | 97.3        | 97.3    | 97.4      | 97.4      | 97.4      | 97.4      | 97.5      | 97.6    |
| 73.5                      | 97.5      | 98.1        | 98.1        | 98.1    | 98.2      | 98.2      | 98.2      | 98.2      | 98.3      | 98.4    |
| 74.0                      | 98.2      | 98.7        | 98.7        | 98.7    | 99.0      | 99.0      | 99.0      | 99.0      | 99.1      | 99.2    |
| 74.5                      | 99.3      | 99.9        | 99.9        | 99.9    | 99.2      | 99.2      | 99.5      | 99.5      | 99.5      | 99.7    |
| 75.0                      | 99.3      | 99.9        | 99.9        | 99.1    | 99.4      | 99.4      | 99.6      | 99.6      | 99.9      | 100.0   |
| 75.5                      | 99.3      | 99.9        | 99.9        | 99.1    | 99.4      | 99.4      | 99.6      | 99.6      | 99.9      | 100.0   |

OPERATING LOCATION: WAW  
 HSAFTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM 100% TO 1000%

STATION NUMBER: 722270

STATION NAME: DOWNS AFB GA  
 LST TO UTC: + 5

| CEILING  |      |      |      |      |      | VISIBILITY IN STATUTE MILES |      |          |          |
|----------|------|------|------|------|------|-----------------------------|------|----------|----------|
| IN FEET  | GE 7 | GE 5 | GE 3 | GE 4 | GE 3 | GE 2 1/2                    | GE 2 | GE 1 1/2 | GE 1 1/4 |
| NO CEIL  | 40.0 | 51.1 | 51.5 | 51.4 | 51.9 | 51.9                        | 52.0 | 52.0     | 52.0     |
| GE 20000 | 55.3 | 57.5 | 58.1 | 58.3 | 58.5 | 58.5                        | 58.5 | 58.5     | 58.5     |
| GE 13000 | 55.4 | 57.7 | 58.2 | 58.4 | 58.5 | 58.5                        | 58.5 | 58.5     | 58.5     |
| GE 16000 | 55.4 | 57.8 | 58.3 | 58.5 | 58.6 | 58.5                        | 58.7 | 58.7     | 58.7     |
| GE 14000 | 55.7 | 58.1 | 58.5 | 58.9 | 58.9 | 58.9                        | 59.0 | 59.0     | 59.0     |
| GE 12000 | 57.5 | 59.0 | 59.5 | 59.9 | 59.9 | 59.9                        | 59.9 | 59.9     | 59.9     |
| GE 10000 | 60.9 | 62.5 | 63.1 | 63.3 | 63.5 | 63.5                        | 63.5 | 63.5     | 63.5     |
| GE 9000  | 61.3 | 63.4 | 64.0 | 64.2 | 64.4 | 64.4                        | 64.4 | 64.4     | 64.4     |
| GE 8000  | 64.1 | 65.3 | 65.4 | 65.7 | 65.8 | 65.8                        | 65.9 | 65.9     | 65.9     |
| GE 7000  | 64.5 | 66.5 | 67.3 | 67.5 | 67.7 | 67.7                        | 67.8 | 67.8     | 67.8     |
| GE 6000  | 65.5 | 67.7 | 68.4 | 68.7 | 68.9 | 68.9                        | 68.9 | 68.9     | 68.9     |
| GE 5000  | 67.5 | 69.5 | 70.4 | 70.7 | 71.0 | 71.0                        | 71.1 | 71.1     | 71.1     |
| GE 4500  | 68.5 | 70.5 | 71.4 | 71.9 | 72.2 | 72.2                        | 72.3 | 72.3     | 72.3     |
| GE 4000  | 71.4 | 73.5 | 74.4 | 75.0 | 75.5 | 75.5                        | 75.5 | 75.7     | 75.7     |
| GE 3500  | 72.4 | 74.5 | 75.5 | 75.1 | 75.5 | 75.7                        | 75.9 | 75.8     | 75.9     |
| GE 3000  | 74.7 | 77.0 | 78.0 | 78.7 | 79.2 | 79.3                        | 79.5 | 79.5     | 79.5     |
| GE 2500  | 75.7 | 78.4 | 80.4 | 81.2 | 81.3 | 81.3                        | 82.1 | 82.1     | 82.1     |
| GE 2000  | 78.5 | 81.4 | 82.5 | 83.4 | 84.0 | 84.1                        | 84.3 | 84.4     | 84.5     |
| GE 1700  | 79.0 | 81.8 | 83.1 | 83.9 | 84.5 | 84.5                        | 84.9 | 85.0     | 85.0     |
| GE 1500  | 80.1 | 83.2 | 84.5 | 85.4 | 85.2 | 85.3                        | 85.5 | 85.7     | 85.8     |
| GE 1200  | 81.2 | 84.5 | 85.1 | 87.3 | 88.2 | 88.3                        | 88.5 | 88.8     | 88.8     |
| GE 1000  | 81.9 | 85.4 | 87.3 | 88.7 | 89.7 | 89.9                        | 90.3 | 90.5     | 90.5     |
| GE 900   | 82.1 | 85.5 | 87.3 | 89.4 | 90.4 | 90.5                        | 91.2 | 91.4     | 91.5     |
| GE 800   | 82.5 | 85.2 | 88.5 | 90.3 | 91.5 | 92.1                        | 92.5 | 92.9     | 92.9     |
| GE 700   | 82.5 | 85.5 | 89.1 | 91.1 | 92.5 | 93.2                        | 93.9 | 94.3     | 94.3     |
| GE 600   | 82.7 | 85.7 | 89.5 | 91.5 | 93.3 | 94.1                        | 94.9 | 95.3     | 95.4     |
| GE 500   | 82.8 | 85.9 | 89.8 | 92.3 | 94.2 | 95.1                        | 95.9 | 96.5     | 96.5     |
| GE 400   | 82.8 | 87.0 | 90.0 | 92.5 | 94.5 | 95.5                        | 95.5 | 97.5     | 97.5     |
| GE 300   | 82.8 | 87.0 | 90.0 | 92.7 | 94.3 | 95.3                        | 97.2 | 98.0     | 98.1     |
| GE 200   | 82.8 | 87.0 | 90.1 | 92.7 | 94.3 | 95.9                        | 97.3 | 98.2     | 98.3     |
| GE 100   | 82.8 | 87.0 | 90.1 | 92.7 | 94.3 | 95.9                        | 97.4 | 98.3     | 98.4     |
| GE 000   | 82.8 | 87.0 | 90.1 | 92.7 | 94.3 | 95.9                        | 97.4 | 98.3     | 98.4     |

TOTAL NUMBER OF OBSERVATIONS 5350

A

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION 3A

PERIOD OF RECORD: JUN 78 - MAY 80  
MONTHS: ALL HOURS: ALL

## CEILING IN STATUTE MILES

| 0    | 50   | 50    | 50    | 50   | 50   | 50   | 50   | 50   | 50   | 50    |
|------|------|-------|-------|------|------|------|------|------|------|-------|
| 1/2  | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/8  | 1/4  | 0     |
| 51.0 | 52.0 | 52.0  | 52.0  | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.1 | 52.1  |
| 52.0 | 53.0 | 53.5  | 53.5  | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.7  |
| 53.0 | 53.5 | 53.6  | 53.6  | 53.6 | 53.6 | 53.6 | 53.7 | 53.7 | 53.7 | 53.8  |
| 54.0 | 53.7 | 53.7  | 53.7  | 53.7 | 53.7 | 53.7 | 53.8 | 53.8 | 53.8 | 53.9  |
| 55.0 | 53.0 | 53.0  | 53.0  | 53.0 | 53.0 | 53.0 | 53.0 | 53.1 | 53.1 | 53.2  |
| 56.0 | 53.3 | 53.3  | 53.3  | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3  |
| 57.0 | 53.5 | 53.5  | 53.5  | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.7  |
| 58.0 | 54.4 | 54.4  | 54.4  | 54.4 | 54.4 | 54.4 | 54.5 | 54.5 | 54.5 | 54.5  |
| 59.0 | 55.3 | 55.3  | 55.3  | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3  |
| 60.0 | 57.3 | 57.3  | 57.3  | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3  |
| 61.0 | 58.3 | 58.3  | 58.3  | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3  |
| 62.0 | 71.1 | 71.1  | 71.1  | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.2 | 71.3  |
| 63.0 | 72.3 | 72.3  | 72.3  | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.5 | 72.5  |
| 64.0 | 75.5 | 75.7  | 75.7  | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.8 | 75.9  |
| 65.0 | 75.3 | 75.3  | 75.3  | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3  |
| 66.0 | 77.5 | 77.5  | 77.5  | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.7 | 77.7  |
| 67.0 | 82.1 | 82.1  | 82.1  | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.3 | 82.4  |
| 68.0 | 84.3 | 84.4  | 84.5  | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.7  |
| 69.0 | 84.0 | 85.0  | 85.0  | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2  |
| 70.0 | 85.5 | 85.7  | 85.8  | 85.8 | 85.8 | 85.8 | 85.8 | 85.9 | 85.9 | 86.0  |
| 71.0 | 85.5 | 85.3  | 85.3  | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.1  |
| 72.0 | 89.3 | 89.5  | 89.5  | 89.5 | 89.5 | 89.5 | 89.7 | 89.7 | 89.8 | 89.8  |
| 73.0 | 91.2 | 91.4  | 91.5  | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.7 | 91.7  |
| 74.0 | 92.5 | 92.9  | 92.9  | 93.0 | 93.0 | 93.0 | 93.1 | 93.1 | 93.2 | 93.2  |
| 75.0 | 93.0 | 94.3  | 94.3  | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.6 | 94.6  |
| 76.0 | 94.0 | 95.3  | 95.4  | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6 | 95.7  |
| 77.0 | 95.0 | 95.6  | 95.6  | 95.8 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 97.0  |
| 78.0 | 95.3 | 97.5  | 97.5  | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.1 | 98.1  |
| 79.0 | 97.2 | 98.0  | 98.1  | 98.4 | 98.6 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8  |
| 80.0 | 97.3 | 98.2  | 98.3  | 98.7 | 98.9 | 98.9 | 99.1 | 99.2 | 99.3 | 99.5  |
| 81.0 | 97.4 | 98.3  | 98.4  | 98.3 | 99.0 | 99.0 | 99.3 | 99.5 | 99.8 | 99.9  |
| 82.0 | 97.5 | 98.3  | 98.4  | 98.3 | 99.0 | 99.0 | 99.3 | 99.5 | 99.8 | 100.0 |

OPERATING LOCATION "A"  
USAF TAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM JULY 1954 TO JULY 1955

STATION NUMBER: 722270

STATION NAME: DOWNS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |      |      |      |      |      |      |      |      |
|-----------------------|-----------------------------|------|------|------|------|------|------|------|------|
|                       | 5/7                         | 5/8  | 5/9  | 5/10 | 5/11 | 5/12 | 5/13 | 5/14 | 5/15 |
| NO CEIL               | 59.1                        | 59.5 | 60.7 | 61.5 | 62.4 | 62.4 | 62.4 | 62.9 | 63.7 |
| 57 20000              | 61.2                        | 62.5 | 63.3 | 64.5 | 65.4 | 65.4 | 65.7 | 66.0 | 66.3 |
| 58 18000              | 61.2                        | 62.5 | 63.3 | 64.5 | 65.4 | 65.4 | 65.7 | 66.0 | 66.3 |
| 59 16000              | 61.2                        | 62.5 | 63.3 | 64.5 | 65.4 | 65.4 | 65.7 | 66.0 | 66.3 |
| 60 14000              | 61.2                        | 62.5 | 63.3 | 64.5 | 65.4 | 65.4 | 65.7 | 66.0 | 66.3 |
| 61 12000              | 61.2                        | 62.5 | 63.3 | 64.5 | 65.4 | 65.4 | 65.7 | 66.0 | 66.3 |
| 62 10000              | 64.9                        | 65.2 | 66.0 | 66.3 | 67.7 | 67.7 | 68.0 | 70.2 | 71.5 |
| 63 9000               | 65.2                        | 67.1 | 68.3 | 69.1 | 69.2 | 69.2 | 70.2 | 70.5 | 71.5 |
| 64 8000               | 65.5                        | 68.5 | 69.7 | 70.5 | 71.3 | 71.3 | 71.5 | 71.9 | 71.9 |
| 65 7000               | 67.1                        | 69.4 | 70.5 | 71.3 | 72.5 | 72.5 | 72.5 | 73.0 | 73.5 |
| 66 6000               | 68.3                        | 70.2 | 71.2 | 72.1 | 73.2 | 73.2 | 74.2 | 74.4 | 75.5 |
| 67 5000               | 70.2                        | 73.0 | 74.2 | 75.3 | 77.0 | 77.0 | 77.2 | 77.5 | 77.7 |
| 68 4500               | 70.2                        | 73.0 | 74.2 | 75.3 | 77.0 | 77.0 | 77.2 | 77.5 | 77.7 |
| 69 4000               | 71.5                        | 75.3 | 76.4 | 76.4 | 79.5 | 79.5 | 79.5 | 80.1 | 81.1 |
| 70 3500               | 73.0                        | 76.4 | 77.5 | 79.5 | 80.5 | 80.5 | 81.9 | 81.9 | 81.9 |
| 71 3000               | 73.2                        | 77.5 | 78.7 | 81.2 | 82.3 | 82.3 | 82.5 | 82.7 | 82.9 |
| 72 2500               | 74.2                        | 77.5 | 79.2 | 82.0 | 83.4 | 83.4 | 83.7 | 84.0 | 84.2 |
| 73 2000               | 75.1                        | 79.4 | 82.0 | 84.5 | 85.2 | 85.2 | 85.5 | 86.2 | 86.7 |
| 74 1800               | 76.7                        | 80.3 | 82.5 | 85.7 | 87.4 | 87.4 | 87.5 | 87.7 | 87.9 |
| 75 1600               | 77.5                        | 81.2 | 83.7 | 87.4 | 89.2 | 89.2 | 89.3 | 89.5 | 89.5 |
| 76 1400               | 78.4                        | 82.0 | 84.5 | 88.5 | 90.7 | 90.7 | 91.2 | 91.3 | 91.3 |
| 77 1200               | 78.4                        | 82.0 | 85.4 | 89.0 | 91.5 | 91.5 | 91.9 | 92.1 | 92.1 |
| 78 1000               | 78.7                        | 82.3 | 85.7 | 89.3 | 91.9 | 91.9 | 92.1 | 92.4 | 92.4 |
| 79 800                | 78.9                        | 82.5 | 85.9 | 89.5 | 92.1 | 92.1 | 92.4 | 92.7 | 92.7 |
| 80 700                | 79.2                        | 82.9 | 86.2 | 89.9 | 92.4 | 92.4 | 92.7 | 93.0 | 93.1 |
| 81 600                | 79.5                        | 83.7 | 87.1 | 91.5 | 94.4 | 94.4 | 94.9 | 95.2 | 95.2 |
| 82 500                | 79.8                        | 84.0 | 87.4 | 91.9 | 95.2 | 95.2 | 95.1 | 95.3 | 95.3 |
| 83 400                | 79.3                        | 84.0 | 87.9 | 92.7 | 95.3 | 95.3 | 97.2 | 97.5 | 97.5 |
| 84 300                | 79.3                        | 84.0 | 87.9 | 93.0 | 97.2 | 97.2 | 98.0 | 98.3 | 98.3 |
| 85 200                | 79.3                        | 84.0 | 87.9 | 93.0 | 97.2 | 97.2 | 98.0 | 98.3 | 98.3 |
| 86 100                | 79.3                        | 84.0 | 87.9 | 93.0 | 97.2 | 97.2 | 98.0 | 98.3 | 98.3 |
| 87 000                | 79.3                        | 84.0 | 87.9 | 93.0 | 97.2 | 97.2 | 98.0 | 98.3 | 98.3 |

TOTAL NUMBER OF OBSERVATIONS 354



PERCENTAGE EFFICIENCY OF ACCOUNTING  
SYSTEMS FOR 1971

LCT 10 JTC: 4-5

| CEILING<br>FEET | DISTANCE IN STATION FEET |      |      |      |      |       |      |       |       |
|-----------------|--------------------------|------|------|------|------|-------|------|-------|-------|
|                 | 1                        | 2    | 3    | 4    | 5    | 6 1/2 | 7    | 8 1/2 | 9 1/4 |
| 40 FEET         | 81.1                     | 80.1 | 84.1 | 85.6 | 81.7 | 80.7  | 80.7 | 86.8  | 81.1  |
| 35 20000        | 80.5                     | 80.2 | 81.1 | 82.3 | 82.7 | 82.9  | 82.7 | 82.1  | 81.1  |
| 35 12000        | 81.7                     | 80.1 | 83.2 | 81.0 | 82.1 | 82.1  | 82.1 | 82.2  | 81.0  |
| 35 18000        | 81.7                     | 80.1 | 80.2 | 81.0 | 82.1 | 82.1  | 82.1 | 82.2  | 81.0  |
| 35 14000        | 80.5                     | 80.3 | 80.3 | 81.2 | 82.3 | 82.3  | 82.3 | 82.4  | 81.1  |
| 35 12000        | 80.2                     | 80.3 | 80.3 | 81.7 | 82.5 | 82.3  | 82.1 | 82.9  | 82.3  |
| 35 10000        | 82.1                     | 84.3 | 85.2 | 85.0 | 87.1 | 87.1  | 87.1 | 87.2  | 87.1  |
| 35 8000         | 80.1                     | 84.3 | 85.2 | 85.0 | 87.1 | 87.1  | 87.1 | 87.2  | 87.1  |
| 35 6000         | 80.1                     | 85.1 | 87.4 | 83.2 | 89.3 | 89.3  | 89.3 | 89.4  | 89.4  |
| 35 4000         | 83.3                     | 87.5 | 88.3 | 89.7 | 91.2 | 91.2  | 91.2 | 91.1  | 91.1  |
| 35 2000         | 84.2                     | 88.1 | 91.1 | 91.3 | 92.3 | 92.3  | 92.3 | 92.4  | 92.4  |
| 30 8000         | 80.1                     | 81.4 | 91.3 | 92.3 | 94.7 | 94.4  | 94.1 | 94.1  | 94.1  |
| 30 6000         | 88.7                     | 91.7 | 92.4 | 93.4 | 94.4 | 94.4  | 94.4 | 94.3  | 94.3  |
| 30 4000         | 83.2                     | 92.5 | 94.3 | 93.4 | 95.2 | 95.2  | 95.2 | 95.2  | 95.2  |
| 30 3000         | 83.1                     | 92.4 | 94.2 | 93.1 | 97.3 | 97.4  | 97.4 | 97.1  | 97.1  |
| 30 2000         | 90.2                     | 93.2 | 95.2 | 94.7 | 96.4 | 96.4  | 96.4 | 96.4  | 96.4  |
| 25 20000        | 71.2                     | 74.2 | 77.3 | 78.2 | 79.2 | 80.3  | 81.2 | 82.1  | 81.1  |
| 25 12000        | 71.2                     | 75.2 | 73.2 | 82.5 | 82.4 | 82.7  | 82.7 | 82.7  | 81.1  |
| 25 18000        | 71.3                     | 75.3 | 73.3 | 80.7 | 82.4 | 82.4  | 82.2 | 83.1  | 81.1  |
| 25 14000        | 72.4                     | 77.2 | 78.4 | 81.4 | 81.4 | 84.1  | 84.1 | 84.3  | 81.1  |
| 25 12000        | 73.2                     | 78.3 | 81.7 | 83.2 | 85.2 | 86.7  | 86.7 | 88.3  | 86.3  |
| 25 10000        | 74.2                     | 81.4 | 83.7 | 85.3 | 87.4 | 87.3  | 88.1 | 88.2  | 86.2  |
| 25 8000         | 77.5                     | 81.7 | 83.5 | 87.4 | 89.7 | 89.3  | 90.3 | 91.2  | 89.1  |
| 25 6000         | 73.2                     | 82.6 | 85.2 | 83.1 | 89.3 | 91.1  | 91.3 | 91.5  | 91.5  |
| 25 4000         | 76.2                     | 82.9 | 85.1 | 87.5 | 91.2 | 92.0  | 92.2 | 92.4  | 92.4  |
| 25 2000         | 75.0                     | 82.1 | 85.7 | 89.3 | 92.5 | 93.3  | 93.7 | 93.9  | 93.4  |
| 20 8000         | 75.2                     | 82.3 | 87.2 | 90.3 | 93.7 | 94.7  | 95.2 | 95.4  | 95.3  |
| 20 6000         | 75.1                     | 82.4 | 87.3 | 90.3 | 94.2 | 95.4  | 95.4 | 95.9  | 95.9  |
| 20 4000         | 75.2                     | 82.4 | 87.3 | 90.3 | 95.3 | 95.4  | 97.2 | 97.2  | 96.1  |
| 20 3000         | 75.5                     | 82.4 | 87.3 | 90.3 | 95.3 | 96.4  | 97.3 | 97.0  | 96.2  |
| 20 2000         | 75.2                     | 82.5 | 87.3 | 90.3 | 95.3 | 96.4  | 97.3 | 98.2  | 98.2  |
| 15 1000         | 75.2                     | 82.5 | 87.3 | 90.3 | 95.2 | 95.4  | 97.3 | 98.3  | 98.2  |

TOTAL NUMBER OF OBSERVATIONS FOR

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM AIRPORT OBSERVATIONS

STATION

PERIOD OF RECORD: JUL 73 - MAY 74  
MONTH: APR HOURS: 06-08

CEILING IN STATUTE MILES

|      | 0     | 1     | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9     |
|------|-------|-------|------|------|------|------|------|------|------|-------|
|      | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/5  | 1/4  |      |       |
| 50.0 | 50.7  | 50.3  | 50.4 | 50.3 | 50.3 | 50.2 | 50.2 | 50.4 | 50.4 | 50.4  |
| 51.0 | 51.0  | 52.1  | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.2  |
| 52.0 | 52.1  | 52.2  | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.3  |
| 53.0 | 52.2  | 52.2  | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.3  |
| 54.0 | 52.3  | 52.4  | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.5  |
| 55.0 | 52.5  | 52.5  | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 53.0  |
| 56.0 | 57.1  | 57.2  | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.3  |
| 57.0 | 57.1  | 57.2  | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.3  |
| 58.0 | 57.3  | 57.4  | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.5  |
| 59.0 | 71.0  | 71.1  | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.2  |
| 60.0 | 72.3  | 72.4  | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.5  |
| 61.0 | 74.1  | 74.1  | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.2  |
| 62.0 | 75.0  | 75.0  | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.1  |
| 63.0 | 76.0  | 77.0  | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.1  |
| 64.0 | 77.5  | 77.5  | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.7  |
| 65.0 | 78.0  | 78.0  | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 79.2  |
| 66.0 | 80.0  | 80.1  | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.2  |
| 67.0 | 80.2  | 82.0  | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 83.0  |
| 68.0 | 82.0  | 83.0  | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.2  |
| 69.0 | 84.1  | 84.3  | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.5  |
| 70.0 | 85.0  | 85.0  | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.1  |
| 71.0 | 86.0  | 86.2  | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.4  |
| 72.0 | 87.0  | 87.0  | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1  |
| 73.0 | 91.3  | 91.5  | 91.5 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.8  |
| 74.0 | 92.0  | 92.4  | 92.4 | 92.5 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.8  |
| 75.0 | 93.7  | 93.9  | 93.9 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2  |
| 76.0 | 95.0  | 95.3  | 95.3 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.7  |
| 77.0 | 95.6  | 95.9  | 95.9 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3  |
| 78.0 | 97.2  | 97.2  | 98.1 | 98.3 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 98.8  |
| 79.0 | 97.3  | 98.0  | 98.2 | 98.5 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3  |
| 80.0 | 97.3  | 98.0  | 98.2 | 98.5 | 99.1 | 99.1 | 99.2 | 99.2 | 99.5 | 99.7  |
| 99.0 | 97.3  | 98.0  | 98.2 | 98.5 | 99.1 | 99.1 | 99.2 | 99.2 | 99.5 | 100.0 |



OPERATING LOCATION NAME  
USAFAC, ASHVILLE NC

PERCENTAGE PROBABILITY OF OCCURRENCE  
BASED ON 100 YEARS

STATION NUMBER: 722270

STATION NAME: JESSIE'S AFB GA

LST TO UTC: + 5

CEILING

VISIBILITY IN STATUTE MILES

| FEET     | 5    | 10   | 15   | 20   | 25   | 30   | 3 1/2 | 4    | 5 1/2 | 6 1/2 |
|----------|------|------|------|------|------|------|-------|------|-------|-------|
| NO CEIL  | 64.7 | 65.2 | 65.7 | 66.1 | 66.7 | 66.7 | 66.7  | 66.7 | 66.7  | 66.7  |
| SE 20000 | 60.2 | 60.7 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2  | 61.2 | 61.3  | 61.3  |
| SE 18000 | 60.3 | 61.1 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7  | 61.7 | 61.7  | 61.7  |
| SE 16000 | 60.3 | 61.1 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7  | 61.7 | 61.7  | 61.7  |
| SE 14000 | 60.0 | 61.0 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3  | 62.3 | 62.4  | 62.4  |
| SE 12000 | 60.7 | 62.7 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2  | 63.3 | 63.3  | 63.3  |
| SE 10000 | 64.1 | 65.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3  | 66.3 | 66.3  | 66.3  |
| SE 8000  | 64.3 | 65.4 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0  | 67.1 | 67.1  | 67.1  |
| SE 6000  | 65.1 | 66.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3  | 68.3 | 68.3  | 68.3  |
| SE 4000  | 67.0 | 68.1 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7  | 69.7 | 69.7  | 69.7  |
| SE 2000  | 68.1 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3  | 70.3 | 70.3  | 70.3  |
| SE 1000  | 69.3 | 72.0 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6  | 72.7 | 72.7  | 72.7  |
| SE 4500  | 70.2 | 72.6 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3  | 73.3 | 73.3  | 73.3  |
| SE 4000  | 71.3 | 74.4 | 75.2 | 75.3 | 75.3 | 75.3 | 75.3  | 75.3 | 75.3  | 75.3  |
| SE 3500  | 73.2 | 75.0 | 75.9 | 77.0 | 77.1 | 77.1 | 77.1  | 77.2 | 77.2  | 77.2  |
| SE 3000  | 74.7 | 77.7 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3  | 78.3 | 78.3  | 78.3  |
| SE 2500  | 75.7 | 80.1 | 81.7 | 82.1 | 82.3 | 82.3 | 82.3  | 82.7 | 82.7  | 82.7  |
| SE 2000  | 78.4 | 82.3 | 83.9 | 84.3 | 84.9 | 84.9 | 84.9  | 85.2 | 85.2  | 85.2  |
| SE 1500  | 79.2 | 82.3 | 84.3 | 84.3 | 85.3 | 85.3 | 85.3  | 85.7 | 85.7  | 85.7  |
| SE 1000  | 80.2 | 83.9 | 85.7 | 86.1 | 86.3 | 86.3 | 86.3  | 87.1 | 87.1  | 87.1  |
| SE 1200  | 81.7 | 85.4 | 86.2 | 86.3 | 86.7 | 86.7 | 86.7  | 87.1 | 87.1  | 87.1  |
| SE 1000  | 82.1 | 87.2 | 88.4 | 88.0 | 88.1 | 88.1 | 88.1  | 88.3 | 88.3  | 88.3  |
| SE 900   | 82.6 | 87.9 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3  | 88.3 | 88.3  | 88.3  |
| SE 800   | 83.1 | 88.6 | 88.2 | 88.2 | 88.5 | 88.5 | 88.5  | 88.6 | 88.6  | 88.6  |
| SE 700   | 83.2 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  |
| SE 600   | 83.2 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  |
| SE 500   | 83.4 | 88.9 | 88.2 | 88.7 | 88.6 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  |
| SE 400   | 83.3 | 88.9 | 88.3 | 88.2 | 88.6 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  |
| SE 300   | 83.3 | 88.9 | 88.4 | 88.4 | 88.6 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  |
| SE 200   | 83.3 | 88.9 | 88.4 | 88.4 | 88.6 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  |
| SE 100   | 83.3 | 88.9 | 88.4 | 88.4 | 88.6 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  |
| SE 100   | 83.3 | 88.9 | 88.4 | 88.4 | 88.6 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  |

TOTAL PROBABILITY OF EXCEEDANCE 90%

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM AIRPORT OBSERVATIONS

PERIOD OF RECORD: JUN 71 - MAY 84  
MONTH: APR HOURS: 09-11

## CEILING IN STATUTE MILES

|    | 0    | 50   | 100   | 150   | 200  | 250  | 300   | 350   | 400   | 450   | 500   |
|----|------|------|-------|-------|------|------|-------|-------|-------|-------|-------|
|    | 0    | 1/2  | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8   | 1/2   | 3/8   | 1/4   | 0     |
| 0  | 55.3 | 55.3 | 55.3  | 55.3  | 55.3 | 55.3 | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  |
| 1  | 51.3 | 51.3 | 51.3  | 51.3  | 51.3 | 51.3 | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  |
| 2  | 51.3 | 51.3 | 51.3  | 51.3  | 51.3 | 51.3 | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  |
| 3  | 51.3 | 51.3 | 51.3  | 51.3  | 51.3 | 51.3 | 51.3  | 51.3  | 51.3  | 51.3  | 51.3  |
| 4  | 52.4 | 52.4 | 52.4  | 52.4  | 52.4 | 52.4 | 52.4  | 52.4  | 52.4  | 52.4  | 52.4  |
| 5  | 53.3 | 53.3 | 53.3  | 53.3  | 53.3 | 53.3 | 53.3  | 53.3  | 53.3  | 53.3  | 53.3  |
| 6  | 55.3 | 55.3 | 55.3  | 55.3  | 55.3 | 55.3 | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  |
| 7  | 57.1 | 57.1 | 57.1  | 57.1  | 57.1 | 57.1 | 57.1  | 57.1  | 57.1  | 57.1  | 57.1  |
| 8  | 58.9 | 58.9 | 58.9  | 58.9  | 58.9 | 58.9 | 58.9  | 58.9  | 58.9  | 58.9  | 58.9  |
| 9  | 59.3 | 59.3 | 59.3  | 59.3  | 59.3 | 59.3 | 59.3  | 59.3  | 59.3  | 59.3  | 59.3  |
| 10 | 70.9 | 70.9 | 70.9  | 70.9  | 70.9 | 70.9 | 70.9  | 70.9  | 70.9  | 70.9  | 70.9  |
| 11 | 72.7 | 72.7 | 72.7  | 72.7  | 72.7 | 72.7 | 72.7  | 72.7  | 72.7  | 72.7  | 72.7  |
| 12 | 73.5 | 73.5 | 73.5  | 73.5  | 73.5 | 73.5 | 73.5  | 73.5  | 73.5  | 73.5  | 73.5  |
| 13 | 75.4 | 75.4 | 75.4  | 75.4  | 75.4 | 75.4 | 75.4  | 75.4  | 75.4  | 75.4  | 75.4  |
| 14 | 77.2 | 77.2 | 77.2  | 77.2  | 77.2 | 77.2 | 77.2  | 77.2  | 77.2  | 77.2  | 77.2  |
| 15 | 79.3 | 79.3 | 79.3  | 79.3  | 79.3 | 79.3 | 79.3  | 79.3  | 79.3  | 79.3  | 79.3  |
| 16 | 82.7 | 82.7 | 82.7  | 82.7  | 82.7 | 82.7 | 82.7  | 82.7  | 82.7  | 82.7  | 82.7  |
| 17 | 85.2 | 85.2 | 85.2  | 85.2  | 85.2 | 85.2 | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  |
| 18 | 85.7 | 85.7 | 85.7  | 85.7  | 85.7 | 85.7 | 85.7  | 85.7  | 85.7  | 85.7  | 85.7  |
| 19 | 87.1 | 87.1 | 87.1  | 87.1  | 87.1 | 87.1 | 87.1  | 87.1  | 87.1  | 87.1  | 87.1  |
| 20 | 90.1 | 90.1 | 90.1  | 90.1  | 90.1 | 90.1 | 90.1  | 90.1  | 90.1  | 90.1  | 90.1  |
| 21 | 92.0 | 92.0 | 92.0  | 92.0  | 92.0 | 92.0 | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  |
| 22 | 93.0 | 93.0 | 93.0  | 93.0  | 93.0 | 93.0 | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  |
| 23 | 94.7 | 94.7 | 94.7  | 94.7  | 94.7 | 94.7 | 94.7  | 94.7  | 94.7  | 94.7  | 94.7  |
| 24 | 95.4 | 95.4 | 95.4  | 95.4  | 95.4 | 95.4 | 95.4  | 95.4  | 95.4  | 95.4  | 95.4  |
| 25 | 96.1 | 96.1 | 96.1  | 96.1  | 96.1 | 96.1 | 96.1  | 96.1  | 96.1  | 96.1  | 96.1  |
| 26 | 97.7 | 97.7 | 97.7  | 97.7  | 97.7 | 97.7 | 97.7  | 97.7  | 97.7  | 97.7  | 97.7  |
| 27 | 99.0 | 99.0 | 99.0  | 99.0  | 99.0 | 99.0 | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| 28 | 99.4 | 99.4 | 99.4  | 99.4  | 99.4 | 99.4 | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  |
| 29 | 99.4 | 99.4 | 99.4  | 99.4  | 99.4 | 99.4 | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  |
| 30 | 99.4 | 99.4 | 99.4  | 99.4  | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 31 | 99.4 | 99.4 | 99.4  | 99.4  | 99.4 | 99.4 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY DATA

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LOT TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 |
| NO CEIL               | 52.8                        | 53.3    | 53.5    | 53.6    | 53.6    | 53.6        | 53.6    | 53.6        | 53.     |
| GE 20000              | 60.7                        | 61.4    | 61.7    | 61.7    | 61.7    | 61.7        | 61.7    | 61.7        | 61.     |
| GE 18000              | 60.9                        | 61.7    | 61.9    | 61.9    | 61.9    | 61.9        | 61.9    | 61.9        | 61.     |
| GE 16000              | 60.9                        | 61.7    | 61.7    | 61.9    | 61.9    | 61.9        | 61.9    | 61.9        | 61.     |
| GE 14000              | 61.1                        | 61.9    | 62.1    | 62.1    | 62.1    | 62.1        | 62.1    | 62.1        | 62.     |
| GE 12000              | 61.4                        | 62.2    | 62.4    | 62.4    | 62.4    | 62.4        | 62.4    | 62.4        | 62.     |
| GE 10000              | 64.4                        | 65.2    | 65.3    | 65.5    | 65.5    | 65.5        | 65.5    | 65.5        | 65.     |
| GE 9000               | 64.7                        | 65.4    | 65.4    | 65.6    | 65.6    | 65.6        | 65.6    | 65.6        | 65.     |
| GE 8000               | 65.7                        | 65.5    | 65.9    | 65.9    | 67.0    | 67.0        | 67.0    | 67.0        | 67.     |
| GE 7000               | 65.1                        | 67.0    | 67.3    | 67.3    | 67.4    | 67.4        | 67.4    | 67.4        | 67.     |
| GE 6000               | 66.7                        | 67.7    | 68.0    | 68.0    | 68.1    | 68.1        | 68.1    | 68.1        | 68.     |
| GE 5000               | 68.7                        | 70.2    | 70.6    | 70.6    | 70.7    | 70.7        | 70.7    | 70.7        | 70.     |
| GE 4500               | 69.1                        | 70.3    | 71.2    | 71.4    | 71.5    | 71.6        | 71.6    | 71.6        | 71.     |
| GE 4000               | 72.4                        | 74.2    | 74.7    | 75.0    | 75.2    | 75.2        | 75.2    | 75.2        | 75.     |
| GE 3500               | 74.9                        | 75.4    | 77.3    | 77.4    | 78.0    | 78.0        | 78.0    | 78.0        | 78.     |
| GE 3000               | 79.4                        | 81.3    | 82.4    | 83.0    | 83.2    | 83.2        | 83.2    | 83.2        | 83.     |
| GE 2500               | 83.3                        | 85.4    | 85.3    | 85.9    | 87.1    | 87.1        | 87.1    | 87.1        | 87.     |
| GE 2000               | 85.3                        | 87.9    | 88.2    | 89.5    | 89.3    | 89.9        | 89.9    | 89.9        | 89.     |
| GE 1800               | 85.3                        | 87.9    | 89.3    | 89.5    | 89.5    | 89.9        | 89.9    | 89.9        | 89.     |
| GE 1500               | 86.7                        | 89.3    | 90.2    | 91.0    | 91.6    | 91.7        | 91.7    | 91.6        | 91.     |
| GE 1200               | 87.5                        | 90.5    | 91.7    | 92.5    | 93.2    | 93.4        | 93.4    | 93.5        | 93.     |
| GE 1000               | 88.1                        | 91.1    | 92.4    | 93.3    | 94.1    | 94.4        | 94.5    | 94.9        | 94.     |
| GE 900                | 88.4                        | 91.7    | 93.3    | 94.3    | 95.1    | 95.4        | 95.3    | 95.9        | 95.     |
| GE 800                | 88.7                        | 91.9    | 93.7    | 94.5    | 95.6    | 95.9        | 95.3    | 95.4        | 95.     |
| GE 700                | 89.2                        | 92.4    | 94.5    | 95.3    | 95.5    | 96.2        | 97.3    | 97.4        | 97.     |
| GE 600                | 89.2                        | 92.4    | 94.7    | 95.0    | 97.1    | 97.5        | 98.0    | 98.1        | 98.     |
| GE 500                | 89.3                        | 92.5    | 94.3    | 95.2    | 97.5    | 98.0        | 98.4    | 98.5        | 98.     |
| GE 400                | 89.3                        | 92.5    | 94.3    | 95.3    | 97.8    | 98.3        | 98.9    | 99.1        | 99.     |
| GE 300                | 89.3                        | 92.5    | 94.3    | 95.3    | 97.8    | 98.3        | 99.0    | 99.3        | 99.     |
| GE 200                | 89.3                        | 92.5    | 94.3    | 95.3    | 97.8    | 98.3        | 99.0    | 99.3        | 99.     |
| GE 100                | 89.3                        | 92.5    | 94.3    | 95.3    | 97.8    | 98.3        | 99.0    | 99.3        | 99.     |
| GE 000                | 89.3                        | 92.5    | 94.3    | 95.3    | 97.8    | 98.3        | 99.0    | 99.3        | 99.     |

TOTAL NUMBER OF OBSERVATIONS 900

4

0 - 2 - 30



OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERV

STATION NUMBER: 722270

STATION NAME: DUBINS AFB GA  
LST TO UTC: + 5

| CEILING    |         |         |         |         |         | VISIBILITY IN STATUTE MILES |         |             |             |      |
|------------|---------|---------|---------|---------|---------|-----------------------------|---------|-------------|-------------|------|
| IN<br>FEET | GE<br>7 | GF<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GF<br>2 1/2                 | GE<br>2 | GF<br>1 1/2 | GF<br>1 1/4 | GF   |
| NO CEIL    | 52.7    | 53.2    | 53.4    | 53.4    | 53.4    | 53.4                        | 53.4    | 53.4        | 53.4        | 53.4 |
| GF 20000   | 50.7    | 51.7    | 51.9    | 51.9    | 51.9    | 51.9                        | 51.9    | 51.9        | 51.9        | 51.9 |
| GF 18000   | 50.7    | 52.0    | 52.2    | 52.2    | 52.2    | 52.2                        | 52.2    | 52.2        | 52.2        | 52.2 |
| GF 16000   | 50.9    | 52.0    | 52.2    | 52.2    | 52.2    | 52.2                        | 52.2    | 52.2        | 52.2        | 52.2 |
| GE 14000   | 51.3    | 52.4    | 52.7    | 52.7    | 52.7    | 52.7                        | 52.7    | 52.7        | 52.7        | 52.7 |
| GE 12000   | 52.3    | 53.4    | 53.7    | 53.7    | 53.7    | 53.7                        | 53.7    | 53.7        | 53.7        | 53.7 |
| GF 10000   | 55.1    | 55.3    | 55.5    | 55.5    | 55.5    | 55.5                        | 55.5    | 55.5        | 55.5        | 55.5 |
| GF 9000    | 55.2    | 55.4    | 55.7    | 55.7    | 55.7    | 55.7                        | 55.7    | 55.7        | 55.7        | 55.7 |
| GE 8000    | 57.8    | 59.2    | 59.4    | 59.4    | 59.4    | 59.4                        | 59.5    | 59.5        | 59.5        | 59.5 |
| GE 7000    | 58.3    | 59.3    | 70.0    | 70.0    | 70.0    | 70.0                        | 70.1    | 70.1        | 70.1        | 70.1 |
| GE 6000    | 59.1    | 70.5    | 70.8    | 70.8    | 70.8    | 70.8                        | 70.9    | 70.9        | 70.9        | 70.9 |
| GF 5000    | 71.3    | 73.1    | 73.3    | 73.3    | 73.3    | 73.3                        | 73.4    | 73.4        | 73.4        | 73.4 |
| GF 4500    | 72.0    | 73.8    | 74.0    | 74.0    | 74.0    | 74.0                        | 74.1    | 74.1        | 74.1        | 74.1 |
| GF 4000    | 77.4    | 79.3    | 80.0    | 80.0    | 80.0    | 80.0                        | 80.2    | 80.2        | 80.2        | 80.2 |
| GE 3500    | 80.3    | 82.3    | 82.7    | 82.8    | 82.8    | 82.8                        | 83.0    | 83.0        | 83.0        | 83.0 |
| GE 3000    | 83.2    | 85.3    | 86.0    | 86.1    | 86.1    | 86.1                        | 86.4    | 86.4        | 86.4        | 86.4 |
| GE 2500    | 87.3    | 89.4    | 90.1    | 90.2    | 90.2    | 90.2                        | 90.7    | 90.7        | 90.7        | 90.7 |
| GE 2000    | 89.0    | 91.4    | 92.4    | 92.7    | 92.7    | 92.8                        | 93.2    | 93.2        | 93.2        | 93.3 |
| GF 1800    | 89.1    | 91.7    | 92.3    | 93.0    | 93.0    | 93.1                        | 93.5    | 93.6        | 93.7        | 93.7 |
| GE 1500    | 90.0    | 92.7    | 94.1    | 94.4    | 94.5    | 94.7                        | 95.2    | 95.2        | 95.3        | 95.3 |
| GE 1200    | 90.2    | 92.7    | 94.4    | 94.9    | 95.0    | 95.1                        | 95.7    | 95.7        | 95.7        | 95.7 |
| GF 1000    | 90.5    | 93.2    | 94.3    | 95.2    | 95.3    | 95.4                        | 95.9    | 95.9        | 95.9        | 95.9 |
| GE 900     | 90.7    | 93.3    | 94.9    | 95.4    | 95.5    | 95.7                        | 95.9    | 95.9        | 95.9        | 95.9 |
| GE 800     | 90.8    | 93.5    | 95.2    | 95.8    | 95.9    | 96.0                        | 96.5    | 96.7        | 96.8        | 96.8 |
| GE 700     | 90.9    | 93.7    | 95.4    | 96.0    | 96.1    | 96.2                        | 96.9    | 97.0        | 97.1        | 97.1 |
| GE 600     | 91.0    | 93.9    | 95.8    | 96.3    | 96.4    | 96.5                        | 97.2    | 97.3        | 97.4        | 97.4 |
| GE 500     | 91.0    | 93.7    | 95.8    | 96.5    | 96.9    | 97.1                        | 97.5    | 97.9        | 98.0        | 98.0 |
| GE 400     | 91.0    | 93.9    | 95.3    | 96.7    | 97.0    | 97.2                        | 98.0    | 98.1        | 98.2        | 98.2 |
| GF 300     | 91.0    | 93.9    | 95.8    | 96.7    | 97.0    | 97.2                        | 98.2    | 98.7        | 98.8        | 98.8 |
| GE 200     | 91.0    | 93.9    | 95.8    | 96.7    | 97.0    | 97.2                        | 98.2    | 98.7        | 98.8        | 98.8 |
| GE 100     | 91.0    | 93.9    | 95.8    | 96.7    | 97.0    | 97.2                        | 98.2    | 98.7        | 98.8        | 98.8 |
| GE 000     | 91.0    | 93.9    | 95.3    | 96.7    | 97.0    | 97.2                        | 98.2    | 98.7        | 98.8        | 98.8 |

TOTAL NUMBER OF OBSERVATIONS 300

### THE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

1-10-64

PERIOD OF RECORD: JUN 73 - MAY 88

MONTH: APR HOURS: 15-17

| SLOPE IN STATUTE MILES |             |         |             |             |         |           |           |           |           |           |         |
|------------------------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
|                        | GE<br>1 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| 51.4                   | 53.4        | 53.4    | 53.4        | 53.4        | 53.4    | 53.4      | 53.4      | 53.4      | 53.4      | 53.4      | 53.4    |
| 51.9                   | 51.9        | 51.9    | 51.9        | 51.9        | 51.9    | 51.9      | 51.9      | 51.9      | 51.9      | 51.9      | 51.9    |
| 52.2                   | 52.2        | 52.2    | 52.2        | 52.2        | 52.2    | 52.2      | 52.2      | 52.2      | 52.2      | 52.2      | 52.2    |
| 52.2                   | 52.2        | 52.2    | 52.2        | 52.2        | 52.2    | 52.2      | 52.2      | 52.2      | 52.2      | 52.2      | 52.2    |
| 52.7                   | 52.7        | 52.7    | 52.7        | 52.7        | 52.7    | 52.7      | 52.7      | 52.7      | 52.7      | 52.7      | 52.7    |
| 53.7                   | 53.7        | 53.7    | 53.7        | 53.7        | 53.7    | 53.7      | 53.7      | 53.7      | 53.7      | 53.7      | 53.7    |
| 55.5                   | 55.5        | 55.5    | 55.5        | 55.5        | 55.5    | 55.5      | 55.5      | 55.5      | 55.5      | 55.5      | 55.5    |
| 56.7                   | 56.7        | 56.7    | 56.7        | 56.7        | 56.7    | 56.7      | 56.7      | 56.7      | 56.7      | 56.7      | 56.7    |
| 59.5                   | 59.5        | 59.5    | 59.5        | 59.5        | 59.5    | 59.5      | 59.5      | 59.5      | 59.5      | 59.5      | 59.5    |
| 70.1                   | 70.1        | 70.1    | 70.1        | 70.1        | 70.1    | 70.1      | 70.1      | 70.1      | 70.1      | 70.1      | 70.1    |
| 70.9                   | 70.9        | 70.9    | 70.9        | 70.9        | 70.9    | 70.9      | 70.9      | 70.9      | 70.9      | 70.9      | 70.9    |
| 73.4                   | 73.4        | 73.4    | 73.4        | 73.4        | 73.4    | 73.4      | 73.4      | 73.4      | 73.4      | 73.4      | 73.4    |
| 74.1                   | 74.1        | 74.1    | 74.1        | 74.1        | 74.1    | 74.1      | 74.1      | 74.1      | 74.1      | 74.1      | 74.1    |
| 80.2                   | 80.2        | 80.2    | 80.2        | 80.2        | 80.2    | 80.2      | 80.2      | 80.2      | 80.2      | 80.2      | 80.2    |
| 83.0                   | 83.0        | 83.0    | 83.0        | 83.0        | 83.0    | 83.0      | 83.0      | 83.0      | 83.0      | 83.0      | 83.0    |
| 86.4                   | 86.4        | 86.4    | 86.6        | 86.7        | 86.7    | 86.7      | 86.7      | 86.7      | 86.7      | 86.7      | 86.7    |
| 90.7                   | 90.7        | 90.7    | 90.8        | 90.9        | 90.9    | 90.9      | 90.9      | 90.9      | 90.9      | 90.9      | 90.9    |
| 93.2                   | 93.2        | 93.2    | 93.3        | 93.4        | 93.4    | 93.4      | 93.4      | 93.4      | 93.4      | 93.4      | 93.4    |
| 93.6                   | 93.6        | 93.6    | 93.7        | 93.8        | 93.8    | 93.8      | 93.8      | 93.8      | 93.8      | 93.8      | 93.8    |
| 95.2                   | 95.2        | 95.2    | 95.3        | 95.4        | 95.4    | 95.4      | 95.4      | 95.4      | 95.4      | 95.4      | 95.4    |
| 95.7                   | 95.7        | 95.7    | 95.8        | 95.9        | 95.9    | 95.9      | 95.9      | 95.9      | 95.9      | 95.9      | 95.9    |
| 96.3                   | 96.3        | 96.3    | 96.3        | 96.3        | 96.3    | 96.3      | 96.3      | 96.3      | 96.3      | 96.3      | 96.3    |
| 96.7                   | 96.7        | 96.7    | 96.8        | 96.9        | 96.9    | 96.9      | 97.0      | 97.0      | 97.0      | 97.0      | 97.0    |
| 96.9                   | 96.9        | 97.0    | 97.1        | 97.2        | 97.2    | 97.2      | 97.3      | 97.3      | 97.3      | 97.3      | 97.3    |
| 97.2                   | 97.2        | 97.3    | 97.4        | 97.6        | 97.7    | 97.7      | 97.8      | 97.8      | 97.8      | 97.8      | 97.8    |
| 97.9                   | 97.9        | 97.9    | 98.0        | 98.3        | 98.4    | 98.4      | 98.5      | 98.6      | 98.6      | 98.6      | 98.6    |
| 98.0                   | 98.0        | 98.1    | 98.2        | 98.9        | 99.0    | 99.0      | 99.1      | 99.1      | 99.1      | 99.1      | 99.1    |
| 98.2                   | 98.2        | 98.7    | 98.8        | 99.4        | 99.6    | 99.6      | 99.8      | 99.8      | 100.0     | 100.0     | 100.0   |
| 98.2                   | 98.2        | 98.7    | 98.8        | 99.4        | 99.6    | 99.6      | 99.8      | 99.8      | 100.0     | 100.0     | 100.0   |
| 98.2                   | 98.2        | 98.7    | 98.8        | 99.4        | 99.6    | 99.6      | 99.8      | 99.8      | 100.0     | 100.0     | 100.0   |
| 98.2                   | 98.2        | 98.7    | 98.8        | 99.4        | 99.6    | 99.6      | 99.8      | 99.8      | 100.0     | 100.0     | 100.0   |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: Dobbins AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GF<br>6 | GE<br>5 | GE<br>4 | GF<br>3 | GF<br>2 1/2 | GE<br>2 | GF<br>1 1/2 | GF<br>1 1/4 |
| NO CEIL               | 53.9                        | 53.9    | 53.9    | 53.9    | 53.9    | 53.9        | 53.9    | 53.9        | 53.9        |
| GE 20000              | 55.8                        | 55.9    | 56.9    | 56.9    | 56.9    | 56.9        | 56.9    | 56.9        | 56.9        |
| GE 18000              | 67.4                        | 57.7    | 57.7    | 57.7    | 57.7    | 57.7        | 57.7    | 57.7        | 57.7        |
| GE 16000              | 67.4                        | 57.7    | 57.7    | 57.7    | 57.7    | 57.7        | 57.7    | 57.7        | 57.7        |
| GE 14000              | 68.4                        | 55.7    | 68.7    | 68.7    | 58.7    | 58.7        | 58.7    | 68.7        | 68.7        |
| GE 12000              | 69.6                        | 70.2    | 70.3    | 70.3    | 70.3    | 70.3        | 70.3    | 70.3        | 70.3        |
| GE 10000              | 72.1                        | 72.8    | 72.9    | 72.9    | 72.9    | 72.9        | 72.9    | 72.9        | 72.9        |
| GE 9000               | 72.4                        | 73.1    | 73.2    | 73.2    | 73.2    | 73.2        | 73.2    | 73.2        | 73.2        |
| GE 8000               | 75.1                        | 76.0    | 76.1    | 76.1    | 76.1    | 76.1        | 76.1    | 76.1        | 76.1        |
| GE 7000               | 76.1                        | 77.0    | 77.1    | 77.1    | 77.1    | 77.1        | 77.1    | 77.1        | 77.1        |
| GE 6000               | 76.9                        | 77.3    | 77.9    | 77.9    | 77.9    | 77.9        | 77.9    | 77.9        | 77.9        |
| GE 5000               | 80.3                        | 81.3    | 81.4    | 81.5    | 81.5    | 81.5        | 81.5    | 81.5        | 81.5        |
| GE 4500               | 81.1                        | 82.1    | 82.2    | 82.3    | 82.3    | 82.3        | 82.3    | 82.3        | 82.3        |
| GE 4000               | 84.0                        | 85.2    | 85.7    | 85.9    | 85.9    | 85.9        | 85.9    | 85.9        | 85.9        |
| GE 3500               | 85.4                        | 86.8    | 87.2    | 87.4    | 87.4    | 87.4        | 87.5    | 87.5        | 87.5        |
| GE 3000               | 87.0                        | 88.7    | 89.2    | 89.4    | 89.6    | 89.6        | 89.6    | 89.6        | 89.6        |
| GE 2500               | 88.8                        | 90.7    | 91.4    | 91.8    | 91.9    | 91.9        | 92.2    | 92.2        | 92.2        |
| GE 2000               | 89.5                        | 91.7    | 92.5    | 93.2    | 93.3    | 93.3        | 93.7    | 93.7        | 93.7        |
| GE 1700               | 89.9                        | 92.0    | 92.9    | 93.7    | 93.9    | 93.9        | 94.2    | 94.2        | 94.2        |
| GE 1500               | 90.1                        | 92.2    | 93.2    | 94.1    | 94.6    | 94.6        | 94.9    | 94.9        | 94.9        |
| GE 1200               | 90.6                        | 92.7    | 93.3    | 94.7    | 95.2    | 95.2        | 95.6    | 95.6        | 95.6        |
| GE 1000               | 90.9                        | 93.1    | 94.2    | 95.1    | 95.7    | 95.8        | 96.1    | 96.1        | 96.1        |
| GE 900                | 91.0                        | 93.2    | 94.3    | 95.2    | 95.8    | 95.9        | 96.2    | 96.2        | 96.2        |
| GE 800                | 91.2                        | 93.5    | 94.8    | 95.7    | 96.3    | 96.4        | 96.5    | 96.5        | 96.5        |
| GE 700                | 91.2                        | 93.6    | 94.9    | 95.7    | 96.3    | 96.4        | 96.8    | 96.8        | 96.8        |
| GE 600                | 91.2                        | 93.6    | 94.9    | 95.9    | 96.8    | 96.9        | 97.2    | 97.2        | 97.2        |
| GE 500                | 91.2                        | 93.9    | 95.3    | 96.5    | 97.4    | 97.5        | 97.9    | 98.0        | 98.3        |
| GE 400                | 91.2                        | 93.9    | 95.3    | 96.5    | 97.5    | 97.7        | 98.0    | 98.1        | 98.7        |
| GE 300                | 91.2                        | 93.9    | 95.3    | 96.5    | 97.6    | 97.7        | 98.2    | 98.3        | 98.9        |
| GE 200                | 91.2                        | 93.9    | 95.3    | 96.5    | 97.6    | 97.7        | 98.2    | 98.3        | 98.9        |
| GE 100                | 91.2                        | 93.9    | 95.3    | 96.5    | 97.6    | 97.7        | 98.2    | 98.3        | 98.9        |
| GE 000                | 91.2                        | 93.9    | 95.3    | 96.5    | 97.6    | 97.7        | 98.2    | 98.3        | 98.9        |

TOTAL NUMBER OF OBSERVATIONS 900

### FROM HOURLY OBSERVATIONS

MONTH: APR HOURS: 13-20

0 - 2 - 33



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 62.1                        | 62.7    | 62.6    | 62.8    | 63.0    | 63.0        | 63.0    | 63.0        | 63.0        |
| GE 20000              | 63.3                        | 69.5    | 69.6    | 69.5    | 69.8    | 69.8        | 69.8    | 69.8        | 69.8        |
| GE 18000              | 69.0                        | 69.6    | 69.8    | 69.8    | 69.9    | 69.9        | 69.9    | 69.9        | 69.9        |
| GE 16000              | 69.0                        | 69.6    | 69.8    | 69.8    | 69.9    | 69.9        | 69.9    | 69.9        | 69.9        |
| GE 14000              | 69.9                        | 70.5    | 70.7    | 70.7    | 70.8    | 70.8        | 70.8    | 70.8        | 70.8        |
| GE 12000              | 70.7                        | 71.3    | 71.4    | 71.4    | 71.5    | 71.5        | 71.5    | 71.5        | 71.5        |
| GE 10000              | 74.2                        | 74.3    | 75.0    | 75.0    | 75.1    | 75.1        | 75.1    | 75.1        | 75.1        |
| GE 9000               | 74.3                        | 75.5    | 75.6    | 75.6    | 75.7    | 75.7        | 75.7    | 75.7        | 75.7        |
| GE 8000               | 77.2                        | 78.1    | 78.2    | 78.2    | 78.4    | 78.4        | 78.4    | 78.4        | 78.4        |
| GE 7000               | 77.7                        | 78.6    | 78.7    | 78.7    | 78.9    | 78.9        | 78.9    | 78.9        | 78.9        |
| GE 6000               | 77.7                        | 78.6    | 78.7    | 78.7    | 79.0    | 79.0        | 79.0    | 79.0        | 79.0        |
| GE 5000               | 81.6                        | 82.8    | 82.9    | 83.1    | 83.2    | 83.2        | 83.2    | 83.2        | 83.2        |
| GE 4500               | 82.8                        | 84.0    | 84.1    | 84.2    | 84.4    | 84.4        | 84.4    | 84.4        | 84.4        |
| GE 4000               | 85.0                        | 86.7    | 87.2    | 87.5    | 87.6    | 87.6        | 87.6    | 87.6        | 87.6        |
| GE 3500               | 85.7                        | 87.5    | 88.0    | 88.3    | 88.4    | 88.4        | 88.4    | 88.4        | 88.4        |
| GE 3000               | 86.4                        | 88.5    | 89.0    | 89.3    | 89.4    | 89.4        | 89.4    | 89.4        | 89.4        |
| GE 2500               | 87.2                        | 89.3    | 89.8    | 90.1    | 90.2    | 90.2        | 90.2    | 90.2        | 90.2        |
| GE 2000               | 88.3                        | 90.5    | 91.3    | 91.6    | 91.7    | 91.8        | 91.8    | 91.8        | 91.8        |
| GE 1800               | 88.7                        | 90.7    | 91.7    | 91.9    | 92.0    | 92.2        | 92.2    | 92.2        | 92.2        |
| GE 1500               | 89.0                        | 91.3    | 92.6    | 92.8    | 93.0    | 93.2        | 93.2    | 93.2        | 93.2        |
| GE 1200               | 89.6                        | 91.3    | 93.2    | 93.6    | 93.7    | 94.0        | 94.0    | 94.0        | 94.0        |
| GE 1000               | 90.1                        | 93.0    | 94.7    | 95.2    | 95.3    | 95.6        | 95.6    | 95.6        | 95.6        |
| GE 900                | 90.4                        | 93.4    | 95.0    | 95.7    | 95.8    | 96.1        | 96.1    | 96.1        | 96.1        |
| GE 800                | 90.5                        | 93.5    | 95.2    | 96.0    | 96.1    | 96.3        | 96.3    | 96.3        | 96.3        |
| GE 700                | 90.5                        | 93.5    | 95.2    | 96.1    | 96.2    | 96.5        | 96.5    | 96.5        | 96.5        |
| GE 600                | 90.5                        | 93.5    | 95.3    | 96.2    | 96.3    | 96.9        | 97.0    | 97.0        | 97.0        |
| GE 500                | 90.5                        | 93.5    | 95.4    | 96.3    | 96.5    | 97.0        | 97.1    | 97.5        | 97.5        |
| GE 400                | 90.5                        | 93.5    | 95.4    | 96.3    | 96.5    | 97.0        | 97.1    | 97.5        | 97.5        |
| GE 300                | 90.5                        | 93.6    | 95.7    | 97.0    | 97.4    | 98.0        | 98.3    | 98.6        | 98.7        |
| GE 200                | 90.5                        | 93.6    | 95.7    | 97.0    | 97.4    | 98.0        | 98.3    | 98.6        | 98.7        |
| GE 100                | 90.5                        | 93.6    | 95.7    | 97.0    | 97.4    | 98.0        | 98.3    | 99.0        | 99.3        |
| GE 000                | 90.5                        | 93.6    | 95.7    | 97.0    | 97.4    | 98.0        | 98.3    | 99.0        | 99.3        |

TOTAL NUMBER OF OBSERVATIONS 767

A

0 - 2 - 33

## - 34 - HOURLY OBSERVATIONS.

PERIOD OF RECORD: JUN 73 - MAY 74

ADURS: 21-23

7 - 2 - 33

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRING  
FROM HOURLY OBSERV

STATION NUMBER: 722270

STATION NAME: OGBHNS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>5 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 54.5                        | 55.7    | 56.0    | 56.2    | 56.4    | 56.4        | 56.5    | 56.5        | 56.5        |
| GE 20000              | 51.7                        | 53.0    | 53.4    | 53.5    | 53.9    | 53.9        | 53.9    | 53.9        | 53.9        |
| GE 18000              | 52.0                        | 53.3    | 53.3    | 53.9    | 54.2    | 54.2        | 54.2    | 54.3        | 54.3        |
| GE 16000              | 52.0                        | 53.3    | 53.3    | 53.9    | 54.2    | 54.2        | 54.2    | 54.3        | 54.3        |
| GE 14000              | 52.5                        | 53.9    | 54.3    | 54.5    | 54.7    | 54.7        | 54.3    | 54.3        | 54.3        |
| GE 12000              | 53.2                        | 54.6    | 55.1    | 55.3    | 55.5    | 55.5        | 55.5    | 55.5        | 55.5        |
| GE 10000              | 56.4                        | 58.0    | 59.5    | 59.5    | 59.9    | 59.9        | 59.9    | 59.9        | 59.9        |
| GE 9000               | 59.5                        | 59.2    | 59.7    | 59.9    | 59.1    | 59.1        | 59.2    | 59.2        | 59.2        |
| GE 8000               | 59.7                        | 70.4    | 70.9    | 71.1    | 71.3    | 71.3        | 71.4    | 71.4        | 71.4        |
| GE 7000               | 59.4                        | 71.2    | 71.7    | 71.9    | 72.2    | 72.2        | 72.3    | 72.3        | 72.3        |
| GE 6000               | 70.1                        | 72.0    | 72.5    | 72.7    | 73.1    | 73.1        | 73.1    | 73.1        | 73.1        |
| GE 5000               | 72.4                        | 74.6    | 75.1    | 75.4    | 75.3    | 75.3        | 75.3    | 75.3        | 75.3        |
| GE 4500               | 73.1                        | 75.3    | 75.9    | 75.3    | 75.6    | 75.5        | 75.5    | 75.7        | 75.7        |
| GE 4000               | 75.0                        | 78.4    | 79.2    | 79.5    | 79.9    | 79.9        | 80.0    | 80.1        | 80.1        |
| GE 3500               | 77.4                        | 80.0    | 80.8    | 81.2    | 81.5    | 81.5        | 81.7    | 81.8        | 81.8        |
| GE 3000               | 79.5                        | 82.2    | 83.2    | 83.7    | 84.1    | 84.1        | 84.3    | 84.3        | 84.3        |
| GE 2500               | 81.5                        | 84.4    | 85.5    | 85.2    | 85.5    | 85.7        | 85.9    | 85.9        | 85.9        |
| GE 2000               | 83.2                        | 85.2    | 87.5    | 86.3    | 88.9    | 89.0        | 89.2    | 89.2        | 89.2        |
| GE 1700               | 83.4                        | 86.5    | 87.9    | 88.7    | 89.2    | 89.3        | 89.5    | 89.6        | 89.6        |
| GE 1500               | 84.3                        | 87.4    | 88.9    | 89.9    | 90.5    | 90.7        | 90.9    | 90.9        | 91.0        |
| GE 1200               | 85.0                        | 88.4    | 90.1    | 91.1    | 91.9    | 92.1        | 92.3    | 92.4        | 92.4        |
| GE 1000               | 85.5                        | 89.1    | 91.1    | 92.1    | 93.0    | 93.2        | 93.5    | 93.7        | 93.7        |
| GE 900                | 85.8                        | 89.5    | 91.8    | 92.9    | 93.5    | 94.1        | 94.5    | 94.5        | 94.6        |
| GE 800                | 85.1                        | 89.9    | 92.2    | 93.4    | 94.4    | 94.7        | 95.1    | 95.2        | 95.3        |
| GE 700                | 85.2                        | 90.1    | 92.4    | 93.8    | 94.9    | 95.2        | 95.7    | 95.9        | 95.9        |
| GE 600                | 85.3                        | 90.2    | 92.7    | 94.2    | 95.5    | 95.9        | 96.4    | 96.5        | 96.5        |
| GE 500                | 86.4                        | 90.3    | 93.0    | 94.7    | 95.2    | 95.5        | 97.1    | 97.4        | 97.5        |
| GE 400                | 86.4                        | 90.4    | 93.1    | 94.9    | 95.6    | 97.1        | 97.7    | 98.1        | 98.3        |
| GE 300                | 86.4                        | 90.4    | 93.2    | 95.1    | 95.9    | 97.4        | 98.2    | 98.7        | 98.8        |
| GE 200                | 86.4                        | 90.4    | 93.2    | 95.1    | 95.9    | 97.4        | 98.2    | 98.7        | 98.8        |
| GE 100                | 86.4                        | 90.4    | 93.2    | 95.1    | 95.9    | 97.4        | 98.3    | 98.8        | 98.8        |
| GE 000                | 86.4                        | 90.4    | 93.2    | 95.1    | 95.9    | 97.4        | 98.3    | 98.8        | 98.8        |

TOTAL NUMBER OF OBSERVATIONS 5623

### 3. FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

10-2-2 5A

PERIOD OF RECORD: JUN 73 - MAY 93  
MONTH: APR HOURS: ALL

SIMILITY IN STATUTE MILES

| 51<br>1/2 | 51<br>2 | 51<br>1 1/2 | 51<br>1 1/4 | 51<br>1 | 51<br>3/4 | 51<br>5/8 | 51<br>1/2 | 51<br>3/8 | 51<br>1/4 | 51<br>? |
|-----------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 55.4      | 55.5    | 55.5        | 55.5        | 55.5    | 55.5      | 55.5      | 55.5      | 55.5      | 55.5      | 55.5    |
| 55.9      | 55.9    | 55.9        | 55.9        | 55.9    | 55.9      | 55.9      | 55.9      | 55.9      | 55.9      | 55.9    |
| 56.2      | 56.2    | 56.3        | 56.3        | 56.3    | 56.3      | 56.3      | 56.3      | 56.3      | 56.3      | 56.3    |
| 56.2      | 56.2    | 56.3        | 56.3        | 56.3    | 56.3      | 56.3      | 56.3      | 56.3      | 56.3      | 56.3    |
| 56.7      | 56.8    | 56.8        | 56.8        | 56.8    | 56.8      | 56.8      | 56.8      | 56.8      | 56.8      | 56.9    |
| 56.8      | 56.6    | 56.6        | 56.6        | 56.6    | 56.6      | 56.6      | 56.6      | 56.6      | 56.6      | 56.7    |
| 56.9      | 56.9    | 56.9        | 56.9        | 56.9    | 56.9      | 56.9      | 56.9      | 56.9      | 56.9      | 56.9    |
| 56.1      | 56.2    | 56.2        | 56.2        | 56.2    | 56.3      | 56.3      | 56.3      | 56.3      | 56.3      | 56.3    |
| 71.3      | 71.4    | 71.4        | 71.4        | 71.4    | 71.5      | 71.5      | 71.5      | 71.5      | 71.5      | 71.5    |
| 72.2      | 72.3    | 72.3        | 72.3        | 72.3    | 72.3      | 72.3      | 72.3      | 72.3      | 72.3      | 72.4    |
| 73.1      | 73.1    | 73.1        | 73.1        | 73.1    | 73.2      | 73.2      | 73.2      | 73.2      | 73.2      | 73.2    |
| 75.3      | 75.3    | 75.7        | 75.7        | 75.7    | 75.9      | 75.9      | 75.9      | 75.9      | 75.9      | 75.9    |
| 75.5      | 75.5    | 75.7        | 75.7        | 75.7    | 75.7      | 75.7      | 75.7      | 75.7      | 75.7      | 75.8    |
| 77.3      | 77.6    | 77.1        | 77.1        | 77.1    | 77.1      | 77.1      | 77.1      | 77.1      | 77.1      | 77.1    |
| 77.6      | 77.7    | 77.4        | 77.4        | 77.7    | 77.8      | 77.8      | 77.8      | 77.8      | 77.8      | 77.8    |
| 78.1      | 78.3    | 78.3        | 78.3        | 78.3    | 78.4      | 78.4      | 78.4      | 78.4      | 78.4      | 78.4    |
| 78.7      | 78.9    | 78.9        | 78.9        | 78.9    | 79.0      | 79.0      | 79.0      | 79.0      | 79.0      | 79.0    |
| 79.0      | 79.2    | 79.2        | 79.2        | 79.3    | 79.3      | 79.3      | 79.3      | 79.3      | 79.3      | 79.3    |
| 79.3      | 79.5    | 79.6        | 79.6        | 79.6    | 79.7      | 79.7      | 79.7      | 79.7      | 79.7      | 79.7    |
| 79.7      | 79.9    | 79.2        | 79.9        | 79.9    | 79.9      | 79.9      | 79.9      | 79.9      | 79.9      | 79.9    |
| 79.1      | 79.3    | 79.4        | 79.4        | 79.4    | 79.4      | 79.4      | 79.4      | 79.4      | 79.4      | 79.5    |
| 79.2      | 79.5    | 79.7        | 79.7        | 79.7    | 79.8      | 79.8      | 79.8      | 79.8      | 79.8      | 79.8    |
| 79.1      | 79.5    | 79.5        | 79.6        | 79.6    | 79.6      | 79.6      | 79.6      | 79.6      | 79.6      | 79.7    |
| 79.7      | 79.1    | 79.4        | 79.5        | 79.6    | 79.7      | 79.7      | 79.7      | 79.7      | 79.7      | 79.7    |
| 79.1      | 79.7    | 79.1        | 79.3        | 79.4    | 79.5      | 79.5      | 79.5      | 79.5      | 79.5      | 79.5    |
| 79.4      | 79.2    | 79.7        | 79.4        | 79.2    | 79.3      | 79.3      | 79.3      | 79.3      | 79.4      | 79.4    |
| 79.4      | 79.2    | 79.7        | 79.9        | 79.3    | 79.5      | 79.5      | 79.6      | 79.6      | 79.6      | 79.7    |
| 79.4      | 79.3    | 79.3        | 79.9        | 79.6    | 79.6      | 79.6      | 79.7      | 79.7      | 79.9      | 79.9    |
| 79.4      | 79.3    | 79.3        | 79.9        | 79.4    | 79.6      | 79.6      | 79.7      | 79.7      | 79.9      | 100.0   |

OPERATING LOCATION NAME  
WISAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM MONTHLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOWNS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |
| GE 2000               | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |
| GE 1800               | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |
| GE 1600               | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |
| GE 1400               | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |
| GE 1200               | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |
| GE 1000               | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |
| GE 800                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |
| GE 600                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |
| GE 400                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |
| GE 300                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |
| GE 200                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |
| GE 100                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |
| GE 50                 | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |
| GE 20                 | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |
| GE 10                 | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |
| GE 5                  | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |
| GE 2                  | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |
| GE 1                  | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |
| GE 0                  | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       | 100.0   |

TOTAL NUMBER OF OBSERVATIONS

1  
4

0 - 0 - 30

1. 2. 3. 4.

PERIOD OF RECORD: JUN 71 - MAY 83  
MONTH: MAY HOURS: 00-02

1

OPERATING LOCATION NAME  
USARFAC, ASHLVILLE NC

PERCENTAGE FREQUENCY OF OCCURRING  
FROM JULY 1964

STATION NAME: 72270

STATION NAME: DOBBINS AFB GA  
EST TO HQ: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |      |      |      |      |        |      |        |      |
|-----------------------|-----------------------------|------|------|------|------|--------|------|--------|------|
|                       | 7                           | 8    | 9    | 10   | 11   | 12 1/2 | 13   | 14 1/2 | 15   |
| 60 CEIL               | 60.2                        | 74.5 | 63.5 | 60.2 | 60.7 | 60.7   | 60.7 | 60.2   | 60.2 |
| 60 20000              | 63.7                        | 79.0 | 63.4 | 64.5 | 65.3 | 65.3   | 65.3 | 65.5   | 65.5 |
| 60 14000              | 63.7                        | 79.0 | 63.4 | 64.5 | 65.3 | 65.3   | 65.3 | 65.5   | 65.5 |
| 60 10000              | 63.7                        | 79.0 | 63.4 | 64.5 | 65.3 | 65.3   | 65.3 | 65.5   | 65.5 |
| 60 14000              | 63.7                        | 79.0 | 63.4 | 64.5 | 65.3 | 65.3   | 65.3 | 65.5   | 65.5 |
| 60 12000              | 64.5                        | 69.0 | 64.5 | 65.3 | 65.3 | 65.3   | 65.3 | 65.7   | 65.7 |
| 65 10000              | 61.2                        | 63.5 | 63.2 | 64.7 | 70.2 | 70.2   | 70.2 | 70.7   | 70.7 |
| 65 9000               | 64.5                        | 64.5 | 64.5 | 70.5 | 71.1 | 71.1   | 71.1 | 71.5   | 71.5 |
| 65 8000               | 60.0                        | 65.5 | 71.1 | 72.5 | 73.1 | 73.1   | 73.1 | 73.5   | 73.5 |
| 65 7000               | 60.5                        | 67.0 | 71.5 | 73.1 | 73.2 | 73.2   | 73.2 | 74.3   | 74.3 |
| 65 6000               | 61.2                        | 67.7 | 72.3 | 73.3 | 74.5 | 74.5   | 74.5 | 75.0   | 75.0 |
| 65 5000               | 63.5                        | 70.4 | 75.0 | 76.2 | 77.7 | 77.7   | 77.7 | 78.2   | 78.2 |
| 65 4500               | 63.0                        | 70.9 | 75.7 | 77.7 | 78.5 | 78.5   | 78.5 | 79.1   | 79.1 |
| 65 4000               | 65.1                        | 72.3 | 77.4 | 79.4 | 80.3 | 80.3   | 80.3 | 80.7   | 80.7 |
| 65 3500               | 65.0                        | 73.1 | 78.4 | 80.5 | 81.5 | 81.5   | 81.5 | 82.1   | 82.1 |
| 65 3000               | 65.5                        | 74.1 | 79.4 | 81.5 | 82.5 | 82.5   | 82.5 | 83.5   | 83.5 |
| 65 2500               | 67.5                        | 75.2 | 80.4 | 83.3 | 84.2 | 84.2   | 84.4 | 84.9   | 84.9 |
| 65 2000               | 68.5                        | 75.7 | 82.1 | 84.7 | 85.9 | 85.9   | 85.1 | 85.5   | 85.5 |
| 65 1500               | 68.5                        | 75.7 | 82.3 | 84.9 | 85.1 | 85.1   | 85.2 | 85.7   | 85.7 |
| 65 1000               | 68.9                        | 77.2 | 82.3 | 85.4 | 85.7 | 85.7   | 85.9 | 87.4   | 87.4 |
| 65 1200               | 69.4                        | 77.7 | 83.7 | 85.2 | 87.5 | 87.5   | 87.2 | 88.3   | 88.3 |
| 65 1000               | 69.7                        | 78.4 | 84.5 | 87.2 | 88.5 | 88.5   | 88.3 | 89.3   | 89.3 |
| 65 800                | 70.1                        | 78.7 | 85.0 | 87.3 | 89.1 | 89.1   | 89.3 | 89.5   | 89.5 |
| 65 600                | 70.2                        | 79.4 | 85.7 | 88.3 | 90.1 | 90.1   | 89.5 | 91.0   | 91.0 |
| 65 400                | 70.4                        | 79.5 | 85.2 | 89.3 | 90.5 | 90.5   | 91.2 | 91.7   | 91.7 |
| 65 300                | 70.9                        | 80.1 | 87.2 | 90.3 | 92.0 | 92.0   | 92.5 | 93.0   | 93.0 |
| 65 500                | 70.9                        | 80.1 | 87.4 | 91.0 | 93.0 | 93.0   | 93.5 | 94.0   | 94.0 |
| 65 400                | 70.9                        | 80.1 | 87.9 | 91.2 | 94.4 | 94.4   | 95.1 | 95.1   | 95.1 |
| 65 300                | 70.9                        | 80.1 | 87.9 | 91.2 | 94.6 | 94.5   | 95.7 | 97.1   | 97.3 |
| 65 200                | 70.9                        | 80.1 | 88.1 | 91.3 | 94.7 | 94.9   | 95.3 | 97.5   | 97.5 |
| 65 100                | 70.9                        | 80.1 | 88.1 | 91.3 | 94.7 | 94.9   | 95.3 | 97.5   | 97.5 |
| 65 900                | 70.9                        | 80.1 | 88.1 | 91.3 | 94.7 | 94.9   | 95.3 | 97.5   | 97.3 |

TOTAL NUMBER OF OBSERVATIONS 584

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

ASAS GA

PERIOD OF RECORD: JUN 78 - MAY 88  
 MONTH: MAY HOURS: 03-05

| VISIBILITY IN STATUTE MILES |      |      |       |       |       |      |       |       |      |       |
|-----------------------------|------|------|-------|-------|-------|------|-------|-------|------|-------|
| 1/2                         | 3/4  | 1    | 1 1/4 | 1 1/2 | 1 3/4 | 2    | 2 1/4 | 2 1/2 | 3    | 4     |
| 60.7                        | 60.7 | 60.9 | 60.9  | 60.9  | 60.9  | 60.9 | 60.9  | 60.9  | 60.9 | 60.9  |
| 65.3                        | 65.3 | 65.6 | 65.6  | 65.6  | 65.6  | 65.6 | 65.6  | 65.6  | 65.6 | 65.6  |
| 65.3                        | 65.3 | 65.6 | 65.6  | 65.6  | 65.6  | 65.6 | 65.6  | 65.6  | 65.6 | 65.6  |
| 65.3                        | 65.3 | 65.6 | 65.6  | 65.6  | 65.6  | 65.6 | 65.6  | 65.6  | 65.6 | 65.6  |
| 65.3                        | 65.3 | 65.6 | 65.6  | 65.6  | 65.6  | 65.6 | 65.6  | 65.6  | 65.6 | 65.6  |
| 65.3                        | 65.3 | 65.7 | 65.7  | 65.7  | 65.7  | 65.7 | 65.7  | 65.7  | 65.7 | 65.7  |
| 70.2                        | 70.2 | 70.7 | 70.7  | 70.7  | 70.7  | 70.7 | 70.7  | 70.7  | 70.7 | 70.7  |
| 71.1                        | 71.1 | 71.6 | 71.6  | 71.6  | 71.6  | 71.6 | 71.6  | 71.6  | 71.6 | 71.6  |
| 73.1                        | 73.1 | 73.6 | 73.6  | 73.6  | 73.6  | 73.6 | 73.6  | 73.6  | 73.6 | 73.6  |
| 73.4                        | 73.4 | 74.3 | 74.3  | 74.3  | 74.3  | 74.3 | 74.3  | 74.3  | 74.3 | 74.3  |
| 74.5                        | 74.5 | 75.0 | 75.0  | 75.0  | 75.0  | 75.0 | 75.0  | 75.0  | 75.0 | 75.0  |
| 77.7                        | 77.7 | 78.2 | 78.2  | 78.4  | 78.4  | 78.4 | 78.4  | 78.4  | 78.4 | 78.4  |
| 79.5                        | 79.5 | 79.1 | 79.1  | 79.3  | 79.3  | 79.3 | 79.3  | 79.3  | 79.3 | 79.3  |
| 80.3                        | 80.3 | 80.8 | 80.8  | 81.0  | 81.0  | 81.0 | 81.0  | 81.0  | 81.0 | 81.0  |
| 81.5                        | 81.5 | 82.1 | 82.1  | 82.3  | 82.3  | 82.3 | 82.3  | 82.3  | 82.3 | 82.3  |
| 83.0                        | 83.0 | 83.5 | 83.5  | 83.7  | 83.7  | 83.7 | 83.7  | 83.7  | 83.7 | 83.7  |
| 84.4                        | 84.4 | 84.9 | 84.9  | 85.0  | 85.0  | 85.0 | 85.2  | 85.2  | 85.2 | 85.2  |
| 85.1                        | 85.1 | 85.6 | 85.6  | 85.7  | 85.7  | 85.7 | 85.9  | 85.9  | 85.9 | 85.9  |
| 85.2                        | 85.2 | 85.7 | 85.7  | 85.9  | 85.9  | 85.9 | 87.1  | 87.1  | 87.1 | 87.1  |
| 85.3                        | 85.3 | 87.4 | 87.4  | 87.5  | 87.5  | 87.5 | 87.5  | 87.5  | 87.5 | 87.5  |
| 87.8                        | 87.8 | 88.3 | 88.3  | 88.4  | 88.4  | 88.4 | 88.5  | 88.5  | 88.5 | 88.5  |
| 89.3                        | 89.3 | 89.3 | 89.3  | 89.5  | 89.5  | 89.5 | 89.5  | 89.5  | 89.5 | 89.5  |
| 89.3                        | 89.3 | 89.8 | 89.8  | 90.0  | 90.0  | 90.0 | 90.1  | 90.1  | 90.1 | 90.1  |
| 90.1                        | 90.1 | 91.0 | 91.0  | 91.2  | 91.2  | 91.2 | 91.3  | 91.3  | 91.3 | 91.3  |
| 91.2                        | 91.2 | 91.7 | 91.7  | 91.8  | 91.8  | 91.8 | 92.0  | 92.0  | 92.0 | 92.0  |
| 92.5                        | 92.5 | 93.0 | 93.0  | 93.2  | 93.4  | 93.4 | 93.5  | 93.5  | 93.5 | 93.5  |
| 93.5                        | 93.5 | 94.0 | 94.0  | 94.4  | 94.6  | 94.6 | 94.7  | 94.7  | 94.7 | 94.7  |
| 95.1                        | 95.1 | 95.1 | 95.1  | 95.4  | 95.6  | 95.6 | 95.8  | 95.8  | 95.8 | 95.8  |
| 95.7                        | 95.7 | 97.1 | 97.3  | 98.0  | 98.1  | 98.1 | 98.5  | 98.5  | 98.5 | 98.5  |
| 95.3                        | 95.3 | 97.5 | 97.3  | 98.5  | 98.8  | 98.8 | 99.1  | 99.1  | 99.3 | 99.3  |
| 95.3                        | 95.3 | 97.5 | 97.3  | 98.8  | 99.0  | 99.0 | 99.3  | 99.3  | 99.5 | 99.7  |
| 95.3                        | 95.3 | 97.5 | 97.3  | 98.8  | 99.0  | 99.0 | 99.3  | 99.3  | 99.5 | 100.0 |



OPERATING LOCATION "A"  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: OGBBINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>5 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 43.3                        | 43.4    | 50.9    | 52.4    | 53.7    | 53.7        | 54.0    | 54.1        | 54.1        |
| GE 20000              | 43.5                        | 53.8    | 55.6    | 55.2    | 59.8    | 59.3        | 59.1    | 59.2        | 59.2        |
| GE 18000              | 43.5                        | 53.9    | 55.7    | 58.3    | 53.9    | 59.9        | 59.2    | 59.3        | 59.3        |
| GE 16000              | 43.4                        | 54.1    | 55.9    | 58.5    | 59.1    | 59.1        | 59.4    | 59.5        | 59.5        |
| GE 14000              | 43.3                        | 54.1    | 55.9    | 58.5    | 59.1    | 59.1        | 59.4    | 59.5        | 59.5        |
| GE 12000              | 49.5                        | 54.7    | 57.5    | 59.1    | 59.5    | 59.3        | 61.1    | 61.2        | 61.2        |
| GE 10000              | 53.0                        | 59.1    | 62.3    | 64.0    | 65.1    | 65.1        | 65.5    | 65.5        | 65.5        |
| GE 9000               | 53.5                        | 59.3    | 63.0    | 64.7    | 65.9    | 65.9        | 67.3    | 67.4        | 67.4        |
| GE 8000               | 54.7                        | 61.3    | 65.3    | 67.2    | 69.5    | 69.5        | 69.7    | 70.1        | 70.1        |
| GE 7000               | 55.5                        | 62.3    | 66.3    | 68.3    | 70.3    | 70.3        | 71.3    | 71.5        | 71.5        |
| GE 6000               | 55.7                        | 62.5    | 65.3    | 68.9    | 71.4    | 71.4        | 71.7    | 72.2        | 72.2        |
| GE 5000               | 57.3                        | 65.2    | 69.5    | 71.7    | 74.4    | 74.4        | 74.7    | 75.2        | 75.2        |
| GE 4500               | 58.0                        | 65.4    | 69.9    | 72.5    | 74.7    | 74.7        | 75.3    | 75.5        | 75.5        |
| GE 4000               | 59.2                        | 67.1    | 71.9    | 74.3    | 77.0    | 77.2        | 75.0    | 74.2        | 73.2        |
| GE 3500               | 59.5                        | 67.4    | 72.3    | 74.7    | 77.4    | 77.6        | 74.4    | 74.5        | 74.5        |
| GE 3000               | 59.9                        | 68.1    | 73.0    | 75.5    | 78.2    | 78.7        | 79.5    | 79.7        | 79.7        |
| GE 2500               | 60.6                        | 68.9    | 74.0    | 75.5    | 79.1    | 79.7        | 80.4    | 80.6        | 80.6        |
| GE 2000               | 61.5                        | 70.2    | 75.3    | 77.3    | 80.5    | 81.2        | 81.9    | 82.2        | 82.2        |
| GE 1800               | 61.9                        | 70.5    | 75.5    | 78.3    | 81.1    | 81.6        | 82.4    | 82.6        | 82.5        |
| GE 1500               | 62.4                        | 71.1    | 75.3    | 79.1    | 82.3    | 82.3        | 83.5    | 83.9        | 83.9        |
| GE 1200               | 63.3                        | 72.4    | 77.3    | 80.5    | 83.0    | 84.5        | 85.3    | 85.5        | 85.5        |
| GE 1000               | 64.7                        | 74.1    | 79.7    | 82.5    | 85.9    | 86.5        | 87.3    | 87.7        | 87.7        |
| GE 900                | 65.2                        | 74.5    | 80.5    | 83.4    | 86.9    | 87.5        | 88.3    | 88.7        | 88.7        |
| GE 800                | 65.5                        | 75.7    | 81.9    | 84.3    | 88.5    | 89.2        | 90.1    | 90.5        | 90.5        |
| GE 700                | 65.6                        | 75.9    | 82.4    | 85.3    | 89.0    | 89.8        | 90.9    | 91.3        | 91.3        |
| GE 600                | 65.3                        | 76.2    | 82.9    | 85.3    | 89.7    | 90.5        | 91.3    | 92.5        | 92.5        |
| GE 500                | 65.9                        | 75.5    | 83.7    | 86.3    | 91.1    | 92.2        | 93.5    | 94.8        | 94.8        |
| GE 400                | 66.0                        | 75.5    | 83.9    | 87.1    | 91.5    | 92.9        | 94.3    | 95.3        | 95.6        |
| GE 300                | 66.0                        | 75.5    | 83.9    | 87.1    | 91.5    | 92.9        | 94.3    | 95.7        | 97.0        |
| GE 200                | 66.0                        | 75.5    | 83.9    | 87.1    | 91.5    | 92.9        | 94.3    | 97.0        | 97.4        |
| GE 100                | 66.0                        | 75.5    | 83.9    | 87.1    | 91.5    | 92.9        | 94.3    | 97.0        | 97.4        |
| GE 000                | 66.0                        | 75.5    | 83.9    | 87.1    | 91.5    | 92.9        | 94.3    | 97.0        | 97.4        |

TOTAL NUMBER OF OBSERVATIONS 930

+

# 5. FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

WAS 64

PERIOD OF RECORD: JUN 78 - MAY 88  
MONTH: MAY HOURS: 06-08

| .....                       |       |       |       |       |       |       |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| VISIBILITY IN STATUTE MILES |       |       |       |       |       |       |       |       |       |       |
| 1/2                         | 2     | 1 1/2 | 1 1/4 | 1     | 3/4   | 5/8   | 1/2   | 3/8   | 1/4   | 0     |
| .....                       |       |       |       |       |       |       |       |       |       |       |
| 53.7                        | 54.0  | 54.1  | 54.1  | 54.1  | 54.1  | 54.1  | 54.3  | 54.4  | 54.4  | 54.4  |
| 55.5                        | 55.1  | 55.2  | 55.2  | 55.2  | 55.2  | 55.2  | 55.4  | 55.5  | 55.6  | 55.6  |
| 56.2                        | 56.2  | 56.3  | 56.3  | 56.3  | 56.3  | 56.3  | 56.5  | 56.6  | 56.8  | 56.8  |
| 57.1                        | 57.4  | 57.5  | 57.5  | 57.5  | 57.5  | 57.5  | 57.8  | 57.9  | 58.0  | 58.0  |
| 58.1                        | 58.4  | 58.5  | 58.5  | 58.5  | 58.5  | 58.5  | 58.8  | 58.9  | 59.0  | 59.0  |
| 59.3                        | 59.1  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.4  | 59.5  | 59.6  | 59.6  |
| 60.1                        | 60.5  | 60.6  | 60.6  | 60.6  | 60.6  | 60.6  | 60.8  | 60.9  | 61.0  | 61.0  |
| 61.2                        | 61.3  | 61.4  | 61.4  | 61.4  | 61.4  | 61.4  | 61.6  | 61.7  | 61.8  | 61.8  |
| 62.4                        | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.2  | 62.4  | 62.5  | 62.6  | 62.6  |
| 63.1                        | 63.5  | 63.6  | 63.6  | 63.6  | 63.6  | 63.6  | 63.8  | 63.9  | 64.0  | 64.0  |
| 64.2                        | 64.3  | 64.4  | 64.4  | 64.4  | 64.4  | 64.4  | 64.6  | 64.7  | 64.8  | 64.8  |
| 65.5                        | 65.7  | 65.8  | 65.8  | 65.8  | 65.8  | 65.8  | 66.0  | 66.1  | 66.2  | 66.2  |
| 66.7                        | 66.8  | 66.9  | 66.9  | 66.9  | 66.9  | 66.9  | 67.1  | 67.2  | 67.3  | 67.3  |
| 68.5                        | 68.7  | 68.8  | 68.8  | 68.8  | 68.8  | 68.8  | 69.0  | 69.1  | 69.2  | 69.2  |
| 69.2                        | 69.1  | 69.2  | 69.2  | 69.2  | 69.2  | 69.2  | 69.4  | 69.5  | 69.6  | 69.6  |
| 70.6                        | 70.4  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.8  | 70.9  | 71.0  | 71.0  |
| 71.7                        | 71.5  | 71.6  | 71.6  | 71.6  | 71.6  | 71.6  | 71.8  | 71.9  | 72.0  | 72.0  |
| 72.7                        | 72.5  | 72.6  | 72.6  | 72.6  | 72.6  | 72.6  | 72.8  | 72.9  | 73.0  | 73.0  |
| 73.7                        | 73.5  | 73.6  | 73.6  | 73.6  | 73.6  | 73.6  | 73.8  | 73.9  | 74.0  | 74.0  |
| 74.7                        | 74.5  | 74.6  | 74.6  | 74.6  | 74.6  | 74.6  | 74.8  | 74.9  | 75.0  | 75.0  |
| 75.7                        | 75.5  | 75.6  | 75.6  | 75.6  | 75.6  | 75.6  | 75.8  | 75.9  | 76.0  | 76.0  |
| 76.7                        | 76.5  | 76.6  | 76.6  | 76.6  | 76.6  | 76.6  | 76.8  | 76.9  | 77.0  | 77.0  |
| 77.7                        | 77.5  | 77.6  | 77.6  | 77.6  | 77.6  | 77.6  | 77.8  | 77.9  | 78.0  | 78.0  |
| 78.7                        | 78.5  | 78.6  | 78.6  | 78.6  | 78.6  | 78.6  | 78.8  | 78.9  | 79.0  | 79.0  |
| 79.7                        | 79.5  | 79.6  | 79.6  | 79.6  | 79.6  | 79.6  | 79.8  | 79.9  | 80.0  | 80.0  |
| 80.7                        | 80.5  | 80.6  | 80.6  | 80.6  | 80.6  | 80.6  | 80.8  | 80.9  | 81.0  | 81.0  |
| 81.7                        | 81.5  | 81.6  | 81.6  | 81.6  | 81.6  | 81.6  | 81.8  | 81.9  | 82.0  | 82.0  |
| 82.7                        | 82.5  | 82.6  | 82.6  | 82.6  | 82.6  | 82.6  | 82.8  | 82.9  | 83.0  | 83.0  |
| 83.7                        | 83.5  | 83.6  | 83.6  | 83.6  | 83.6  | 83.6  | 83.8  | 83.9  | 84.0  | 84.0  |
| 84.7                        | 84.5  | 84.6  | 84.6  | 84.6  | 84.6  | 84.6  | 84.8  | 84.9  | 85.0  | 85.0  |
| 85.7                        | 85.5  | 85.6  | 85.6  | 85.6  | 85.6  | 85.6  | 85.8  | 85.9  | 86.0  | 86.0  |
| 86.7                        | 86.5  | 86.6  | 86.6  | 86.6  | 86.6  | 86.6  | 86.8  | 86.9  | 87.0  | 87.0  |
| 87.7                        | 87.5  | 87.6  | 87.6  | 87.6  | 87.6  | 87.6  | 87.8  | 87.9  | 88.0  | 88.0  |
| 88.7                        | 88.5  | 88.6  | 88.6  | 88.6  | 88.6  | 88.6  | 88.8  | 88.9  | 89.0  | 89.0  |
| 89.7                        | 89.5  | 89.6  | 89.6  | 89.6  | 89.6  | 89.6  | 89.8  | 89.9  | 90.0  | 90.0  |
| 90.7                        | 90.5  | 90.6  | 90.6  | 90.6  | 90.6  | 90.6  | 90.8  | 90.9  | 91.0  | 91.0  |
| 91.7                        | 91.5  | 91.6  | 91.6  | 91.6  | 91.6  | 91.6  | 91.8  | 91.9  | 92.0  | 92.0  |
| 92.7                        | 92.5  | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 92.8  | 92.9  | 93.0  | 93.0  |
| 93.7                        | 93.5  | 93.6  | 93.6  | 93.6  | 93.6  | 93.6  | 93.8  | 93.9  | 94.0  | 94.0  |
| 94.7                        | 94.5  | 94.6  | 94.6  | 94.6  | 94.6  | 94.6  | 94.8  | 94.9  | 95.0  | 95.0  |
| 95.7                        | 95.5  | 95.6  | 95.6  | 95.6  | 95.6  | 95.6  | 95.8  | 95.9  | 96.0  | 96.0  |
| 96.7                        | 96.5  | 96.6  | 96.6  | 96.6  | 96.6  | 96.6  | 96.8  | 96.9  | 97.0  | 97.0  |
| 97.7                        | 97.5  | 97.6  | 97.6  | 97.6  | 97.6  | 97.6  | 97.8  | 97.9  | 98.0  | 98.0  |
| 98.7                        | 98.5  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.8  | 98.9  | 99.0  | 99.0  |
| 99.7                        | 99.5  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.8  | 99.9  | 100.0 | 100.0 |
| 100.7                       | 100.5 | 100.6 | 100.6 | 100.6 | 100.6 | 100.6 | 100.8 | 100.9 | 101.0 | 101.0 |
| .....                       |       |       |       |       |       |       |       |       |       |       |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVAT

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

| CEILING  |      |      |      |      |      | VISIBILITY IN STATUTE MILES |      |       |       |       |
|----------|------|------|------|------|------|-----------------------------|------|-------|-------|-------|
| IN       | GE   | GE   | GE   | GE   | GE   | GE                          | GE   | GE    | GE    | GE    |
| FEET     | 7    | 6    | 5    | 4    | 3    | 2 1/2                       | 2    | 1 1/2 | 1 1/4 | 1 1/8 |
| NO CEIL  | 46.7 | 51.7 | 53.3 | 53.5 | 53.5 | 53.5                        | 53.5 | 53.5  | 53.5  | 53.5  |
| GE 20000 | 51.5 | 53.7 | 50.5 | 50.5 | 50.9 | 50.3                        | 50.5 | 50.8  | 50.9  | 50.9  |
| GE 18000 | 51.5 | 53.8 | 50.5 | 50.9 | 50.9 | 50.7                        | 50.9 | 50.9  | 50.9  | 50.9  |
| GE 16000 | 51.5 | 53.8 | 50.5 | 50.9 | 50.9 | 50.9                        | 50.9 | 50.9  | 50.9  | 50.9  |
| GE 14000 | 51.7 | 59.0 | 50.9 | 51.1 | 51.1 | 51.1                        | 51.1 | 51.1  | 51.1  | 51.1  |
| GE 12000 | 52.0 | 59.6 | 51.4 | 51.5 | 51.5 | 51.6                        | 51.5 | 51.5  | 51.5  | 51.5  |
| GE 10000 | 55.5 | 54.1 | 55.2 | 55.5 | 55.9 | 55.9                        | 55.9 | 55.9  | 55.9  | 55.9  |
| GE 9000  | 55.4 | 54.5 | 55.3 | 57.3 | 57.4 | 57.4                        | 57.4 | 57.4  | 57.4  | 57.4  |
| GE 8000  | 56.9 | 56.9 | 59.2 | 59.3 | 59.7 | 70.0                        | 70.0 | 70.0  | 70.0  | 70.0  |
| GE 7000  | 57.0 | 57.1 | 59.5 | 70.1 | 70.2 | 70.3                        | 70.3 | 70.3  | 70.3  | 70.3  |
| GE 6000  | 57.3 | 57.4 | 59.8 | 70.4 | 70.5 | 70.6                        | 70.6 | 70.6  | 70.6  | 70.6  |
| GE 5000  | 55.3 | 59.9 | 71.4 | 72.0 | 72.3 | 72.4                        | 72.4 | 72.5  | 72.5  | 72.5  |
| GE 4500  | 55.5 | 59.2 | 71.7 | 72.4 | 72.7 | 72.5                        | 72.5 | 72.9  | 72.9  | 72.9  |
| GE 4000  | 59.7 | 70.4 | 72.9 | 73.5 | 74.0 | 74.1                        | 74.1 | 74.2  | 74.2  | 74.2  |
| GE 3500  | 60.5 | 71.5 | 74.1 | 74.3 | 75.3 | 75.4                        | 75.4 | 75.5  | 75.5  | 75.5  |
| GE 3000  | 64.2 | 75.4 | 73.1 | 79.0 | 79.5 | 79.3                        | 79.9 | 80.0  | 80.0  | 80.0  |
| GE 2500  | 55.5 | 75.9 | 79.6 | 80.5 | 81.1 | 81.4                        | 81.7 | 81.8  | 81.8  | 81.8  |
| GE 2000  | 67.7 | 79.5 | 82.4 | 83.3 | 84.0 | 84.3                        | 84.5 | 84.8  | 84.8  | 84.8  |
| GE 1800  | 68.0 | 80.0 | 82.9 | 83.9 | 84.5 | 84.5                        | 85.2 | 85.4  | 85.4  | 85.4  |
| GE 1500  | 69.0 | 81.1 | 84.5 | 85.7 | 86.3 | 86.7                        | 87.0 | 87.2  | 87.3  | 87.3  |
| GE 1200  | 71.4 | 84.0 | 88.0 | 89.2 | 90.2 | 90.5                        | 91.0 | 91.2  | 91.3  | 91.3  |
| GE 1000  | 72.0 | 84.9 | 89.1 | 90.5 | 91.7 | 92.0                        | 92.5 | 92.3  | 93.0  | 93.0  |
| GE 900   | 72.4 | 85.3 | 89.6 | 91.3 | 92.6 | 92.9                        | 93.4 | 93.9  | 94.1  | 94.1  |
| GE 800   | 72.4 | 85.4 | 89.9 | 91.3 | 93.3 | 93.7                        | 94.3 | 94.7  | 94.9  | 94.9  |
| GE 700   | 72.4 | 85.5 | 90.2 | 92.3 | 94.2 | 94.5                        | 95.2 | 95.5  | 95.5  | 95.5  |
| GE 600   | 72.4 | 85.7 | 90.9 | 93.0 | 95.2 | 95.3                        | 95.7 | 97.3  | 97.5  | 97.5  |
| GE 500   | 72.5 | 85.8 | 91.0 | 93.5 | 95.1 | 97.1                        | 98.1 | 98.7  | 99.0  | 99.0  |
| GE 400   | 72.5 | 85.8 | 91.0 | 93.3 | 95.3 | 97.3                        | 98.5 | 99.4  | 99.7  | 99.7  |
| GE 300   | 72.5 | 85.5 | 91.0 | 93.3 | 95.3 | 97.3                        | 98.5 | 99.4  | 99.7  | 99.7  |
| GE 200   | 72.5 | 85.8 | 91.0 | 93.4 | 95.3 | 97.3                        | 98.5 | 99.4  | 99.7  | 99.7  |
| GE 100   | 72.5 | 85.8 | 91.0 | 93.9 | 95.3 | 97.3                        | 98.5 | 99.4  | 99.7  | 99.7  |
| GE 000   | 72.5 | 85.8 | 91.0 | 93.3 | 95.3 | 97.3                        | 98.5 | 99.4  | 99.7  | 99.7  |

TOTAL NUMBER OF OBSERVATIONS 930

F

0 - 2 - 30

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUN 75 - MAY 83  
MONTH: MAY HOURS: 09-11

[illegible]

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 44.2                        | 45.9    | 45.9    | 45.9    | 45.9    | 45.9        | 45.9    | 45.9        | 45.9        |
| GE 20000              | 49.7                        | 52.0    | 53.1    | 53.1    | 53.1    | 53.1        | 53.1    | 53.1        | 53.1        |
| GE 18000              | 49.8                        | 53.0    | 53.2    | 53.2    | 53.2    | 53.2        | 53.2    | 53.2        | 53.2        |
| GE 16000              | 49.8                        | 53.0    | 53.2    | 53.2    | 53.2    | 53.2        | 53.2    | 53.2        | 53.2        |
| GE 14000              | 50.9                        | 54.1    | 54.3    | 54.3    | 54.3    | 54.3        | 54.3    | 54.3        | 54.3        |
| GE 12000              | 51.4                        | 54.6    | 55.2    | 55.2    | 55.2    | 55.2        | 55.2    | 55.2        | 55.2        |
| GE 10000              | 54.0                        | 58.4    | 59.1    | 59.1    | 59.1    | 59.1        | 59.1    | 59.1        | 59.1        |
| GE 9000               | 54.7                        | 59.1    | 59.9    | 59.9    | 59.9    | 59.9        | 59.9    | 59.9        | 59.9        |
| GE 8000               | 55.1                        | 62.0    | 62.9    | 62.9    | 62.9    | 62.9        | 62.9    | 62.9        | 62.9        |
| GE 7000               | 55.7                        | 62.5    | 63.4    | 63.4    | 63.4    | 63.4        | 63.4    | 63.4        | 63.4        |
| GE 6000               | 57.0                        | 62.9    | 63.8    | 63.8    | 63.8    | 63.8        | 63.8    | 63.8        | 63.8        |
| GE 5000               | 58.6                        | 64.7    | 65.7    | 65.7    | 65.7    | 65.7        | 65.7    | 65.7        | 65.7        |
| GE 4500               | 60.1                        | 66.6    | 67.5    | 67.5    | 67.5    | 67.5        | 67.5    | 67.5        | 67.5        |
| GE 4000               | 65.6                        | 72.2    | 73.4    | 73.4    | 73.4    | 73.4        | 73.5    | 73.5        | 73.5        |
| GE 3500               | 69.1                        | 76.9    | 78.3    | 78.3    | 78.3    | 78.3        | 78.4    | 78.4        | 78.4        |
| GE 3000               | 75.0                        | 84.3    | 85.8    | 85.9    | 85.9    | 85.9        | 86.1    | 86.1        | 86.1        |
| GE 2500               | 78.3                        | 87.0    | 88.6    | 88.6    | 88.6    | 88.7        | 88.9    | 88.9        | 88.9        |
| GE 2000               | 77.9                        | 89.4    | 91.0    | 91.1    | 91.2    | 91.3        | 91.5    | 91.5        | 91.5        |
| GE 1800               | 80.0                        | 89.5    | 91.2    | 91.3    | 91.5    | 91.5        | 91.5    | 91.9        | 92.0        |
| GE 1500               | 80.3                        | 90.9    | 92.9    | 93.3    | 93.7    | 93.8        | 94.0    | 94.1        | 94.2        |
| GE 1200               | 81.7                        | 92.3    | 94.6    | 95.2    | 95.5    | 95.6        | 96.0    | 96.1        | 96.2        |
| GE 1000               | 81.7                        | 92.4    | 94.7    | 95.4    | 95.7    | 95.9        | 96.3    | 96.5        | 96.5        |
| GE 900                | 81.8                        | 92.7    | 95.1    | 95.9    | 96.3    | 96.6        | 97.0    | 97.1        | 97.2        |
| GE 800                | 82.0                        | 93.1    | 95.7    | 96.9    | 97.3    | 97.5        | 98.0    | 98.1        | 98.2        |
| GE 700                | 82.0                        | 93.1    | 95.8    | 97.1    | 97.6    | 97.8        | 98.5    | 98.6        | 98.7        |
| GE 600                | 82.0                        | 93.1    | 95.8    | 97.1    | 97.7    | 98.2        | 98.8    | 99.2        | 99.4        |
| GE 500                | 82.0                        | 93.1    | 95.8    | 97.1    | 97.7    | 98.3        | 98.9    | 99.4        | 99.5        |
| GE 400                | 82.0                        | 93.1    | 95.8    | 97.1    | 97.7    | 98.3        | 98.9    | 99.5        | 99.7        |
| GE 300                | 82.0                        | 93.1    | 95.8    | 97.1    | 97.7    | 98.3        | 98.9    | 99.6        | 99.7        |
| GE 200                | 82.0                        | 93.1    | 95.8    | 97.1    | 97.7    | 98.3        | 98.9    | 99.6        | 99.7        |
| GE 100                | 82.0                        | 93.1    | 95.8    | 97.1    | 97.7    | 98.3        | 98.9    | 99.6        | 99.7        |
| GE 000                | 82.0                        | 93.1    | 95.8    | 97.1    | 97.7    | 98.3        | 98.9    | 99.6        | 99.7        |

TOTAL NUMBER OF OBSERVATIONS 230

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

APR 64 PERIOD OF RECORD: JUN 73 - MAY 83  
MONTH: MAY HOURS: 12-14

| .....                       |         |             |             |         |           |           |           |           |           |         |
|-----------------------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| VISIBILITY IN STATUTE MILES |         |             |             |         |           |           |           |           |           |         |
| 1/2                         | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/3 | GE<br>1/4 | GE<br>0 |
| .....                       |         |             |             |         |           |           |           |           |           |         |
| 0                           | 45.9    | 45.9        | 45.9        | 45.9    | 45.9      | 45.9      | 45.9      | 45.9      | 45.9      | 45.9    |
| 1                           | 53.1    | 53.1        | 53.1        | 53.1    | 53.1      | 53.1      | 53.1      | 53.1      | 53.1      | 53.1    |
| 2                           | 53.2    | 53.2        | 53.2        | 53.2    | 53.2      | 53.2      | 53.2      | 53.2      | 53.2      | 53.2    |
| 3                           | 53.2    | 53.2        | 53.2        | 53.2    | 53.2      | 53.2      | 53.2      | 53.2      | 53.2      | 53.2    |
| 4                           | 54.3    | 54.3        | 54.3        | 54.3    | 54.3      | 54.3      | 54.3      | 54.3      | 54.3      | 54.3    |
| 5                           | 55.2    | 55.2        | 55.2        | 55.2    | 55.2      | 55.2      | 55.2      | 55.2      | 55.2      | 55.2    |
| 6                           | 59.1    | 59.1        | 59.1        | 59.1    | 59.1      | 59.1      | 59.1      | 59.1      | 59.1      | 59.1    |
| 7                           | 59.9    | 59.9        | 59.9        | 59.9    | 59.9      | 59.9      | 59.9      | 59.9      | 59.9      | 59.9    |
| 8                           | 62.9    | 62.9        | 62.9        | 62.9    | 62.9      | 62.9      | 62.9      | 62.9      | 62.9      | 62.9    |
| 9                           | 63.4    | 63.4        | 63.4        | 63.4    | 63.4      | 63.4      | 63.4      | 63.4      | 63.4      | 63.4    |
| 10                          | 63.8    | 63.8        | 63.8        | 63.8    | 63.8      | 63.8      | 63.8      | 63.8      | 63.8      | 63.8    |
| 11                          | 65.7    | 65.7        | 65.7        | 65.7    | 65.7      | 65.7      | 65.7      | 65.7      | 65.7      | 65.7    |
| 12                          | 67.5    | 67.6        | 67.6        | 67.6    | 67.6      | 67.6      | 67.6      | 67.6      | 67.6      | 67.6    |
| 13                          | 73.5    | 73.5        | 73.5        | 73.5    | 73.5      | 73.5      | 73.5      | 73.5      | 73.5      | 73.5    |
| 14                          | 73.4    | 73.4        | 73.4        | 73.4    | 73.4      | 73.4      | 73.4      | 73.4      | 73.4      | 73.4    |
| 15                          | 86.1    | 86.1        | 86.1        | 86.1    | 86.1      | 86.1      | 86.1      | 86.1      | 86.1      | 86.1    |
| 16                          | 88.9    | 88.9        | 88.9        | 88.9    | 88.9      | 88.9      | 88.9      | 88.9      | 88.9      | 88.9    |
| 17                          | 91.5    | 91.5        | 91.5        | 91.5    | 91.5      | 91.5      | 91.5      | 91.5      | 91.5      | 91.5    |
| 18                          | 91.5    | 91.9        | 92.0        | 92.0    | 92.0      | 92.0      | 92.2      | 92.2      | 92.2      | 92.2    |
| 19                          | 94.0    | 94.1        | 94.2        | 94.2    | 94.2      | 94.2      | 94.3      | 94.3      | 94.3      | 94.3    |
| 20                          | 95.0    | 96.1        | 96.2        | 96.2    | 96.2      | 96.2      | 96.3      | 96.3      | 96.3      | 96.3    |
| 21                          | 96.3    | 96.5        | 96.5        | 96.5    | 96.6      | 96.6      | 96.7      | 96.7      | 96.7      | 96.7    |
| 22                          | 97.0    | 97.1        | 97.2        | 97.2    | 97.2      | 97.2      | 97.3      | 97.3      | 97.3      | 97.3    |
| 23                          | 98.0    | 98.1        | 98.2        | 98.2    | 98.2      | 98.2      | 98.3      | 98.3      | 98.3      | 98.3    |
| 24                          | 98.5    | 98.6        | 98.7        | 98.7    | 98.7      | 98.7      | 98.8      | 98.8      | 98.8      | 98.8    |
| 25                          | 99.2    | 99.2        | 99.4        | 99.4    | 99.4      | 99.4      | 99.5      | 99.5      | 99.5      | 99.5    |
| 26                          | 99.0    | 99.4        | 99.5        | 99.5    | 99.5      | 99.5      | 99.6      | 99.6      | 99.6      | 99.6    |
| 27                          | 99.4    | 99.6        | 99.7        | 99.8    | 99.8      | 99.8      | 99.9      | 99.9      | 99.9      | 99.9    |
| 28                          | 99.9    | 99.6        | 99.7        | 99.8    | 99.8      | 99.8      | 99.9      | 99.9      | 99.9      | 99.9    |
| 29                          | 99.7    | 99.6        | 99.7        | 99.8    | 99.8      | 99.8      | 99.9      | 99.9      | 99.9      | 99.9    |
| 30                          | 99.9    | 99.6        | 99.7        | 99.8    | 99.8      | 99.8      | 99.9      | 99.9      | 99.9      | 100.0   |
| 31                          | 99.9    | 99.6        | 99.7        | 99.8    | 99.8      | 99.8      | 99.9      | 99.9      | 99.9      | 100.0   |
| .....                       |         |             |             |         |           |           |           |           |           |         |

OPERATING LOCATION "AW"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

REF  
MOM

| CEILING    |         |         |         |         |         | VISIBILITY IN STATUTE MILES |         |             |             |       |
|------------|---------|---------|---------|---------|---------|-----------------------------|---------|-------------|-------------|-------|
| IN<br>FEET | GE<br>7 | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2                 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |       |
| NO CEIL    | 45.9    | 48.9    | 49.2    | 49.2    | 49.2    | 49.2                        | 49.2    | 49.2        | 49.2        | 49.2  |
| GE 20000   | 55.3    | 59.5    | 59.9    | 59.9    | 59.9    | 59.9                        | 59.9    | 59.9        | 59.9        | 59.9  |
| GE 18000   | 55.3    | 59.5    | 59.9    | 59.9    | 59.9    | 59.9                        | 59.9    | 59.9        | 59.9        | 59.9  |
| GE 16000   | 55.5    | 59.7    | 60.1    | 60.1    | 60.1    | 60.1                        | 60.1    | 60.1        | 60.1        | 60.1  |
| GE 14000   | 56.3    | 60.5    | 60.9    | 60.9    | 60.9    | 60.9                        | 60.9    | 60.9        | 60.9        | 60.9  |
| GE 12000   | 57.2    | 61.5    | 62.0    | 62.0    | 62.0    | 62.0                        | 62.0    | 62.0        | 62.0        | 62.0  |
| GE 10000   | 61.1    | 65.3    | 65.4    | 65.4    | 65.4    | 65.4                        | 65.4    | 65.4        | 65.4        | 65.4  |
| GE 9000    | 61.4    | 65.4    | 65.9    | 65.9    | 65.9    | 65.9                        | 65.9    | 65.9        | 65.9        | 65.9  |
| GE 8000    | 63.7    | 69.5    | 70.2    | 70.5    | 70.5    | 70.5                        | 70.5    | 70.5        | 70.5        | 70.5  |
| GE 7000    | 64.5    | 70.5    | 71.2    | 71.6    | 71.6    | 71.6                        | 71.6    | 71.6        | 71.6        | 71.6  |
| GE 6000    | 65.0    | 71.4    | 72.1    | 72.4    | 72.4    | 72.4                        | 72.4    | 72.4        | 72.4        | 72.4  |
| GE 5000    | 66.7    | 73.2    | 73.8    | 74.1    | 74.1    | 74.1                        | 74.1    | 74.1        | 74.1        | 74.1  |
| GE 4500    | 67.9    | 74.5    | 75.3    | 75.5    | 75.5    | 75.5                        | 75.5    | 75.5        | 75.5        | 75.5  |
| GE 4000    | 73.3    | 80.5    | 82.1    | 82.4    | 82.4    | 82.4                        | 82.4    | 82.4        | 82.4        | 82.4  |
| GE 3500    | 76.1    | 84.5    | 85.5    | 86.2    | 86.2    | 86.2                        | 86.2    | 86.2        | 86.2        | 86.2  |
| GE 3000    | 79.3    | 88.6    | 90.1    | 90.6    | 90.6    | 90.6                        | 90.6    | 90.6        | 90.6        | 90.6  |
| GE 2500    | 81.3    | 90.7    | 92.7    | 93.2    | 93.2    | 93.2                        | 93.2    | 93.2        | 93.2        | 93.2  |
| GE 2000    | 83.1    | 93.0    | 95.3    | 95.9    | 95.9    | 95.9                        | 95.9    | 95.9        | 95.9        | 95.9  |
| GE 1800    | 83.2    | 93.1    | 95.4    | 96.0    | 96.2    | 96.2                        | 96.2    | 96.3        | 96.3        | 96.3  |
| GE 1500    | 83.5    | 93.5    | 95.8    | 96.4    | 96.7    | 96.7                        | 96.7    | 96.8        | 96.8        | 96.8  |
| GE 1200    | 83.7    | 93.6    | 95.9    | 96.5    | 97.0    | 97.0                        | 97.0    | 97.1        | 97.1        | 97.1  |
| GE 1000    | 83.7    | 93.8    | 96.6    | 97.2    | 97.3    | 97.3                        | 97.3    | 98.0        | 98.0        | 98.0  |
| GE 900     | 83.8    | 93.9    | 96.8    | 97.4    | 98.3    | 98.3                        | 98.3    | 98.4        | 98.4        | 98.4  |
| GE 800     | 83.8    | 93.9    | 96.8    | 97.4    | 98.5    | 98.5                        | 98.5    | 98.6        | 98.6        | 98.6  |
| GE 700     | 84.1    | 94.1    | 97.0    | 97.8    | 99.0    | 99.0                        | 99.0    | 99.1        | 99.1        | 99.1  |
| GE 600     | 84.2    | 94.5    | 97.5    | 98.5    | 99.7    | 99.7                        | 99.7    | 99.8        | 99.8        | 99.8  |
| GE 500     | 84.2    | 94.5    | 97.5    | 98.5    | 99.7    | 99.9                        | 99.9    | 100.0       | 100.0       | 100.0 |
| GE 400     | 84.2    | 94.5    | 97.5    | 98.5    | 99.7    | 99.9                        | 99.9    | 100.0       | 100.0       | 100.0 |
| GE 300     | 84.2    | 94.5    | 97.5    | 98.5    | 99.7    | 99.9                        | 99.9    | 100.0       | 100.0       | 100.0 |
| GE 200     | 84.2    | 94.5    | 97.5    | 98.5    | 99.7    | 99.9                        | 99.9    | 100.0       | 100.0       | 100.0 |
| GE 100     | 84.2    | 94.5    | 97.5    | 98.5    | 99.7    | 99.9                        | 99.9    | 100.0       | 100.0       | 100.0 |
| GE 000     | 84.2    | 94.5    | 97.5    | 98.5    | 99.7    | 99.9                        | 99.9    | 100.0       | 100.0       | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 924

4

### THE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

4-2 3A

PERIOD OF RECORD: JUN 78 - MAY 84

MONTH: MAY HOURS: 15-17

[illegible]



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM 4300LY OBSERVATION

STATION NUMBER: 722270

STATION NAME: DODDINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 49.6                        | 53.4    | 54.4    | 54.6    | 54.6    | 54.6        | 54.6    | 54.6        | 54.6        | 54.6    |
| GE 20000              | 51.3                        | 55.3    | 57.0    | 58.0    | 58.0    | 58.0        | 58.0    | 58.0        | 58.0        | 58.0    |
| GE 18000              | 52.1                        | 55.6    | 58.2    | 58.3    | 58.3    | 58.3        | 58.3    | 58.3        | 58.3        | 58.3    |
| GE 16000              | 52.3                        | 55.7    | 58.3    | 58.4    | 58.4    | 58.4        | 58.4    | 58.4        | 58.4        | 58.4    |
| GE 14000              | 53.2                        | 58.2    | 69.2    | 70.0    | 70.0    | 70.0        | 70.0    | 70.0        | 70.0        | 70.0    |
| GE 12000              | 55.7                        | 70.5    | 72.2    | 72.5    | 72.5    | 72.5        | 72.5    | 72.5        | 72.5        | 72.5    |
| GE 10000              | 63.5                        | 74.7    | 75.5    | 75.5    | 75.5    | 75.5        | 75.5    | 75.5        | 75.5        | 75.5    |
| GE 9000               | 70.0                        | 75.2    | 77.0    | 77.3    | 77.3    | 77.3        | 77.3    | 77.3        | 77.3        | 77.3    |
| GE 8000               | 73.6                        | 79.2    | 81.3    | 82.3    | 82.5    | 82.5        | 82.5    | 82.5        | 82.5        | 82.5    |
| GE 7000               | 74.3                        | 80.0    | 82.2    | 83.2    | 83.4    | 83.4        | 83.4    | 83.4        | 83.4        | 83.4    |
| GE 6000               | 74.9                        | 81.2    | 83.5    | 84.5    | 84.3    | 84.3        | 84.3    | 84.3        | 84.3        | 84.3    |
| GE 5000               | 76.2                        | 82.5    | 85.1    | 86.1    | 85.3    | 85.3        | 85.3    | 85.3        | 85.3        | 85.3    |
| GE 4500               | 77.4                        | 83.7    | 86.3    | 87.3    | 87.5    | 87.5        | 87.5    | 87.5        | 87.5        | 87.5    |
| GE 4000               | 83.7                        | 87.6    | 90.2    | 91.2    | 91.4    | 91.4        | 91.4    | 91.4        | 91.4        | 91.4    |
| GE 3500               | 81.3                        | 89.2    | 91.5    | 93.0    | 93.2    | 93.2        | 93.3    | 93.3        | 93.3        | 93.3    |
| GE 3000               | 82.6                        | 90.1    | 93.1    | 94.3    | 94.5    | 94.5        | 94.5    | 94.5        | 94.5        | 94.5    |
| GE 2500               | 83.3                        | 90.0    | 93.3    | 95.0    | 95.2    | 95.2        | 95.3    | 95.3        | 95.3        | 95.3    |
| GE 2000               | 83.7                        | 91.2    | 94.7    | 95.9    | 96.1    | 96.1        | 96.2    | 96.2        | 96.2        | 96.2    |
| GE 1800               | 83.7                        | 91.9    | 94.8    | 96.0    | 96.3    | 96.3        | 96.4    | 96.4        | 96.4        | 96.4    |
| GE 1600               | 83.3                        | 92.2    | 95.1    | 96.3    | 96.6    | 96.6        | 96.7    | 96.7        | 96.7        | 96.7    |
| GE 1200               | 84.1                        | 92.5    | 95.4    | 96.6    | 97.0    | 97.0        | 97.2    | 97.2        | 97.2        | 97.2    |
| GE 1000               | 84.3                        | 92.5    | 95.1    | 97.4    | 97.5    | 97.3        | 98.2    | 98.3        | 98.3        | 98.3    |
| GE 900                | 84.3                        | 93.0    | 95.2    | 97.5    | 97.9    | 98.0        | 98.3    | 98.4        | 98.4        | 98.4    |
| GE 800                | 84.3                        | 93.0    | 95.3    | 97.5    | 98.2    | 98.3        | 98.5    | 98.5        | 98.5        | 98.5    |
| GE 700                | 84.3                        | 93.1    | 96.4    | 97.7    | 98.3    | 98.4        | 98.6    | 98.7        | 98.7        | 98.7    |
| GE 600                | 84.3                        | 93.1    | 96.4    | 97.7    | 98.5    | 98.7        | 98.9    | 99.0        | 99.0        | 99.0    |
| GE 500                | 84.3                        | 93.1    | 96.5    | 97.3    | 98.7    | 98.3        | 99.0    | 99.1        | 99.1        | 99.1    |
| GE 400                | 84.3                        | 93.1    | 96.5    | 97.3    | 98.7    | 98.9        | 99.2    | 99.6        | 99.3        | 99.3    |
| GE 300                | 84.3                        | 93.1    | 96.5    | 97.3    | 98.7    | 98.9        | 99.2    | 99.6        | 99.3        | 99.3    |
| GE 200                | 84.3                        | 93.1    | 96.5    | 97.3    | 98.7    | 98.9        | 99.2    | 99.6        | 99.3        | 99.3    |
| GE 100                | 84.3                        | 93.1    | 96.5    | 97.3    | 98.7    | 98.9        | 99.2    | 99.6        | 99.3        | 99.3    |
| GE 500                | 84.3                        | 93.1    | 96.5    | 97.3    | 98.7    | 98.9        | 99.2    | 99.6        | 99.3        | 99.3    |

TOTAL NUMBER OF OBSERVATIONS 920

# THE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AREA: GA PERIOD OF RECORD: JUN 74 - MAY 81  
MONTH: MAY HOURS: 16-20

## CEILING IN STATUTE MILES

| 1/2   | 1     | 5/8   | 3/4   | 5/8   | 3/4   | 5/8   | 3/4   | 5/8   | 3/4   | 5/8   | 3/4   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1/2   | 1     | 1 1/2 | 1 1/4 | 1     | 3/4   | 5/8   | 1/2   | 3/8   | 1/4   | 0     | 0     |
| 54.5  | 54.5  | 54.5  | 54.5  | 54.5  | 54.5  | 54.5  | 54.5  | 54.5  | 54.5  | 54.5  | 54.5  |
| 55.0  | 55.0  | 55.0  | 55.0  | 55.0  | 55.0  | 55.0  | 55.0  | 55.0  | 55.0  | 55.0  | 55.0  |
| 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  | 55.3  |
| 55.4  | 55.4  | 55.4  | 55.4  | 55.4  | 55.4  | 55.4  | 55.4  | 55.4  | 55.4  | 55.4  | 55.4  |
| 56.0  | 56.0  | 56.0  | 56.0  | 56.0  | 56.0  | 56.0  | 56.0  | 56.0  | 56.0  | 56.0  | 56.0  |
| 57.5  | 57.5  | 57.5  | 57.5  | 57.5  | 57.5  | 57.5  | 57.5  | 57.5  | 57.5  | 57.5  | 57.5  |
| 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  |
| 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  | 77.3  |
| 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  | 82.5  |
| 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  |
| 84.8  | 84.8  | 84.8  | 84.8  | 84.8  | 84.8  | 84.8  | 84.8  | 84.8  | 84.8  | 84.8  | 84.8  |
| 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  |
| 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  | 87.5  |
| 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  |
| 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  |
| 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  |
| 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  |
| 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  | 96.2  |
| 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  | 96.4  |
| 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  |
| 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  | 97.2  |
| 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  | 98.3  |
| 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  | 98.4  |
| 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  | 98.5  |
| 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  | 98.7  |
| 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  | 99.1  |
| 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  | 99.3  |
| 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  | 99.4  |
| 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  |
| 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  |
| 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  | 99.9  |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 | 100.1 |
| 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 |
| 100.3 | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 |
| 100.4 | 100.4 | 100.4 | 100.4 | 100.4 | 100.4 | 100.4 | 100.4 | 100.4 | 100.4 | 100.4 | 100.4 |
| 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 | 100.5 |
| 100.6 | 100.6 | 100.6 | 100.6 | 100.6 | 100.6 | 100.6 | 100.6 | 100.6 | 100.6 | 100.6 | 100.6 |
| 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 |
| 100.8 | 100.8 | 100.8 | 100.8 | 100.8 | 100.8 | 100.8 | 100.8 | 100.8 | 100.8 | 100.8 | 100.8 |
| 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 |
| 101.0 | 101.0 | 101.0 | 101.0 | 101.0 | 101.0 | 101.0 | 101.0 | 101.0 | 101.0 | 101.0 | 101.0 |

OPERATING LOCATION "A"  
JSAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

20-1  
10-1

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| NO CEIL    | 65.2    | 58.2    | 59.9    | 59.2    | 59.2    | 60.2        | 60.2    | 60.2        | 60.2        | 60.2    |
| GE 20000   | 63.3    | 67.2    | 67.7    | 69.3    | 69.6    | 69.3        | 69.6    | 69.6        | 69.6        | 69.6    |
| GE 18000   | 63.3    | 67.2    | 69.3    | 70.0    | 70.1    | 70.1        | 70.1    | 70.1        | 70.1        | 70.1    |
| GE 16000   | 63.3    | 67.9    | 69.3    | 70.0    | 70.1    | 70.1        | 70.1    | 70.1        | 70.1        | 70.1    |
| GE 14000   | 64.9    | 67.6    | 70.8    | 71.0    | 71.1    | 71.1        | 71.1    | 71.1        | 71.1        | 71.1    |
| GE 12000   | 66.7    | 70.6    | 72.3    | 72.3    | 73.4    | 73.4        | 73.4    | 73.4        | 73.4        | 73.4    |
| GE 10000   | 70.5    | 73.4    | 75.3    | 75.0    | 77.5    | 77.5        | 77.5    | 77.5        | 77.5        | 77.5    |
| GE 9000    | 71.1    | 73.7    | 77.2    | 77.3    | 78.7    | 78.3        | 78.3    | 78.3        | 78.3        | 78.3    |
| GE 8000    | 73.4    | 77.5    | 80.3    | 81.5    | 82.2    | 82.2        | 82.2    | 82.2        | 82.2        | 82.2    |
| GE 7000    | 74.4    | 79.4    | 81.2    | 82.5    | 83.2    | 82.2        | 83.2    | 83.2        | 83.2        | 83.2    |
| GE 6000    | 74.5    | 79.5    | 81.4    | 82.7    | 83.4    | 83.4        | 83.4    | 83.4        | 83.4        | 83.4    |
| GE 5000    | 75.3    | 82.1    | 83.6    | 85.3    | 86.2    | 86.2        | 86.2    | 86.2        | 86.2        | 86.2    |
| GE 4500    | 77.5    | 82.7    | 84.5    | 86.0    | 86.5    | 86.5        | 86.5    | 86.5        | 86.5        | 86.5    |
| GE 4000    | 78.0    | 85.0    | 85.9    | 88.1    | 89.2    | 89.0        | 89.0    | 89.0        | 89.0        | 89.0    |
| GE 3500    | 79.3    | 86.3    | 86.5    | 89.7    | 91.7    | 91.7        | 91.7    | 91.7        | 91.7        | 91.7    |
| GE 3000    | 80.9    | 87.7    | 89.7    | 92.3    | 93.3    | 93.3        | 93.3    | 93.3        | 93.3        | 93.3    |
| GE 2500    | 81.5    | 87.5    | 91.0    | 93.3    | 94.5    | 94.5        | 94.5    | 94.5        | 94.5        | 94.5    |
| GE 2000    | 82.5    | 89.9    | 92.7    | 94.9    | 95.2    | 95.2        | 95.4    | 95.6        | 95.6        | 95.6    |
| GE 1800    | 82.5    | 89.9    | 92.5    | 95.1    | 95.4    | 95.4        | 95.5    | 95.7        | 95.7        | 95.7    |
| GE 1600    | 82.7    | 90.0    | 93.3    | 95.6    | 97.1    | 97.1        | 97.2    | 97.4        | 97.4        | 97.4    |
| GE 1400    | 82.9    | 90.2    | 93.5    | 95.8    | 97.4    | 97.4        | 97.5    | 97.7        | 97.7        | 97.7    |
| GE 1200    | 83.2    | 90.5    | 94.0    | 95.2    | 97.9    | 97.9        | 98.0    | 98.2        | 98.2        | 98.2    |
| GE 1000    | 83.2    | 90.7    | 94.1    | 95.4    | 98.0    | 98.0        | 98.2    | 98.4        | 98.4        | 98.4    |
| GE 900     | 83.2    | 90.7    | 94.1    | 95.7    | 98.4    | 98.4        | 98.5    | 98.7        | 98.7        | 98.7    |
| GE 800     | 83.2    | 90.7    | 94.1    | 95.7    | 98.4    | 98.4        | 98.5    | 98.7        | 98.7        | 98.7    |
| GE 700     | 83.2    | 90.7    | 94.1    | 95.7    | 98.4    | 98.4        | 98.5    | 98.7        | 98.7        | 98.7    |
| GE 600     | 83.2    | 90.7    | 94.1    | 95.7    | 98.4    | 98.4        | 98.5    | 98.7        | 98.7        | 98.7    |
| GE 500     | 83.2    | 90.7    | 94.1    | 95.7    | 98.4    | 98.4        | 98.5    | 98.7        | 98.7        | 98.7    |
| GE 400     | 83.2    | 90.9    | 94.5    | 97.2    | 99.2    | 99.2        | 99.5    | 99.8        | 99.8        | 99.8    |
| GE 300     | 83.2    | 90.9    | 94.5    | 97.2    | 99.2    | 99.2        | 99.5    | 99.8        | 99.8        | 99.8    |
| GE 200     | 83.2    | 90.9    | 94.5    | 97.2    | 99.2    | 99.2        | 99.5    | 99.8        | 99.8        | 99.8    |
| GE 100     | 83.2    | 90.9    | 94.5    | 97.2    | 99.2    | 99.2        | 99.5    | 99.8        | 99.8        | 99.8    |

TOTAL NUMBER OF OBSERVATIONS 613

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUN 73 - MAY 74  
MONTH: MAY HOURS: 21-23

[illegible]

OPERATING LOCATION "A"  
USAFSTAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM 400-LY TO 500-LY

STATION NUMBER: 722270

STATION NAME: DUBLIN AFB GA  
LST TIME: + 6

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 67.5                        | 61.2    | 52.5    | 53.0    | 53.3    | 53.3        | 53.3    | 53.4        | 53.4        |
| GE 20000              | 54.4                        | 59.3    | 61.0    | 61.5    | 61.5    | 61.5        | 61.5    | 61.5        | 61.5        |
| GE 18000              | 54.5                        | 59.4    | 61.1    | 61.6    | 62.0    | 62.0        | 62.0    | 62.1        | 62.1        |
| GE 16000              | 54.7                        | 59.7    | 61.2    | 61.7    | 62.0    | 62.0        | 62.1    | 62.1        | 62.1        |
| GE 14000              | 51.4                        | 60.2    | 61.9    | 62.4    | 62.7    | 62.7        | 62.8    | 62.8        | 62.8        |
| GE 12000              | 55.3                        | 61.3    | 63.1    | 63.5    | 63.9    | 63.9        | 64.0    | 64.0        | 64.0        |
| GE 10000              | 52.7                        | 56.5    | 57.4    | 58.1    | 58.5    | 58.5        | 58.5    | 58.7        | 58.7        |
| GE 9000               | 53.4                        | 56.1    | 57.1    | 58.7    | 59.2    | 59.2        | 59.3    | 59.3        | 59.3        |
| GE 8000               | 52.2                        | 54.5    | 71.0    | 71.9    | 72.4    | 72.5        | 72.5    | 72.6        | 72.6        |
| GE 7000               | 52.3                        | 59.5    | 71.5    | 72.7    | 73.3    | 73.3        | 73.4    | 73.4        | 73.4        |
| GE 6000               | 53.2                        | 72.1    | 72.4    | 73.3    | 73.9    | 73.9        | 74.0    | 74.1        | 74.1        |
| GE 5000               | 54.7                        | 72.3    | 74.6    | 75.4    | 75.1    | 75.1        | 75.2    | 75.3        | 75.3        |
| GE 4500               | 55.7                        | 72.7    | 75.4    | 76.4    | 77.1    | 77.1        | 77.2    | 77.3        | 77.3        |
| GE 4000               | 51.5                        | 75.3    | 77.0    | 76.1    | 76.7    | 76.9        | 77.0    | 77.1        | 77.1        |
| GE 3500               | 70.2                        | 74.3    | 81.1    | 82.7    | 82.9    | 83.1        | 83.2    | 83.3        | 83.3        |
| GE 3000               | 72.7                        | 81.2    | 84.2    | 85.5    | 85.2    | 85.4        | 85.5    | 85.7        | 85.7        |
| GE 2500               | 74.0                        | 82.7    | 85.7    | 87.1    | 87.5    | 87.9        | 88.2    | 88.3        | 88.3        |
| GE 2000               | 75.3                        | 84.5    | 87.7    | 89.5    | 89.9    | 90.1        | 90.3    | 90.5        | 90.5        |
| GE 1800               | 75.6                        | 84.7    | 87.9    | 89.3    | 90.2    | 90.4        | 90.5    | 90.5        | 90.5        |
| GE 1600               | 75.7                        | 85.3    | 88.5    | 90.3    | 91.7    | 91.4        | 91.7    | 91.9        | 91.9        |
| GE 1400               | 75.7                        | 85.4    | 90.0    | 91.5    | 92.7    | 92.3        | 92.2    | 92.4        | 92.4        |
| GE 1200               | 77.2                        | 87.0    | 90.3    | 92.5    | 93.7    | 93.9        | 94.3    | 94.5        | 94.5        |
| GE 1000               | 77.3                        | 87.3    | 91.2    | 92.9    | 94.3    | 94.5        | 94.9    | 95.1        | 95.1        |
| GE 800                | 77.4                        | 87.5    | 91.7    | 93.5    | 95.0    | 95.2        | 95.5    | 95.9        | 95.9        |
| GE 700                | 77.5                        | 87.7    | 91.9    | 93.8    | 95.4    | 95.6        | 95.8    | 96.4        | 96.4        |
| GE 600                | 77.5                        | 87.9    | 92.3    | 94.3    | 95.9    | 96.3        | 96.9    | 97.2        | 97.3        |
| GE 500                | 77.7                        | 88.0    | 92.5    | 94.5    | 95.5    | 97.3        | 97.5    | 98.0        | 98.1        |
| GE 400                | 77.7                        | 88.0    | 92.5    | 94.7    | 95.5    | 97.3        | 98.1    | 98.5        | 98.5        |
| GE 300                | 77.7                        | 88.2    | 92.5    | 94.7    | 95.5    | 97.3        | 98.2    | 98.9        | 99.1        |
| GE 200                | 77.7                        | 88.3    | 92.5    | 94.7    | 95.7    | 97.4        | 98.2    | 99.0        | 99.2        |
| GE 100                | 77.7                        | 88.0    | 92.5    | 94.7    | 95.8    | 97.4        | 98.2    | 99.0        | 99.2        |
| GE 000                | 77.7                        | 88.0    | 92.5    | 94.7    | 95.9    | 97.4        | 98.2    | 99.0        | 99.2        |

TOTAL NUMBER OF OBSERVATIONS 5844

P

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AREA: CA

PERIOD OF RECORD: JUN 75 - MAY 83

MONTH: MAY HOURS: ALL

| .....                       |         |             |             |         |           |           |           |           |           |         |
|-----------------------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| VISIBILITY IN STATUTE MILES |         |             |             |         |           |           |           |           |           |         |
| CEILING                     | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| .....                       |         |             |             |         |           |           |           |           |           |         |
| 0.5                         | 53.3    | 53.4        | 53.4        | 53.4    | 53.4      | 53.4      | 53.4      | 53.4      | 53.4      | 53.4    |
| 1.0                         | 51.5    | 51.9        | 51.9        | 51.9    | 51.9      | 51.9      | 51.9      | 51.9      | 52.0      | 52.0    |
| 1.5                         | 52.0    | 52.1        | 52.1        | 52.1    | 52.1      | 52.1      | 52.1      | 52.1      | 52.1      | 52.1    |
| 2.0                         | 52.1    | 52.1        | 52.1        | 52.1    | 52.1      | 52.1      | 52.2      | 52.2      | 52.2      | 52.2    |
| 2.5                         | 52.4    | 52.5        | 52.5        | 52.5    | 52.5      | 52.5      | 52.9      | 52.9      | 52.9      | 52.9    |
| 3.0                         | 54.0    | 54.0        | 54.0        | 54.0    | 54.0      | 54.0      | 54.1      | 54.1      | 54.1      | 54.1    |
| .....                       |         |             |             |         |           |           |           |           |           |         |
| 4.0                         | 55.5    | 55.7        | 55.7        | 55.7    | 55.7      | 55.7      | 55.7      | 55.8      | 55.8      | 55.8    |
| 4.5                         | 59.3    | 59.3        | 59.3        | 59.3    | 59.3      | 59.3      | 59.4      | 59.4      | 59.4      | 59.4    |
| 5.0                         | 72.5    | 72.6        | 72.6        | 72.6    | 72.6      | 72.6      | 72.6      | 72.7      | 72.7      | 72.7    |
| 5.5                         | 73.4    | 73.4        | 73.4        | 73.4    | 73.4      | 73.4      | 73.5      | 73.5      | 73.5      | 73.5    |
| 6.0                         | 74.0    | 74.1        | 74.1        | 74.1    | 74.1      | 74.1      | 74.1      | 74.2      | 74.2      | 74.2    |
| .....                       |         |             |             |         |           |           |           |           |           |         |
| 7.0                         | 75.2    | 75.3        | 75.3        | 75.3    | 75.3      | 75.3      | 75.3      | 75.4      | 75.4      | 75.4    |
| 7.5                         | 77.2    | 77.3        | 77.3        | 77.3    | 77.3      | 77.3      | 77.3      | 77.4      | 77.4      | 77.4    |
| 8.0                         | 81.0    | 81.1        | 81.1        | 81.1    | 81.1      | 81.1      | 81.1      | 81.2      | 81.2      | 81.2    |
| 8.5                         | 83.2    | 83.3        | 83.3        | 83.4    | 83.4      | 83.4      | 83.4      | 83.4      | 83.4      | 83.4    |
| 9.0                         | 85.5    | 85.7        | 85.7        | 85.7    | 85.7      | 85.7      | 85.8      | 85.8      | 85.8      | 85.8    |
| .....                       |         |             |             |         |           |           |           |           |           |         |
| 10.0                        | 88.2    | 88.3        | 88.3        | 88.4    | 88.4      | 88.4      | 88.4      | 88.4      | 88.4      | 88.4    |
| 10.5                        | 90.3    | 90.5        | 90.5        | 90.5    | 90.5      | 90.5      | 90.6      | 90.6      | 90.6      | 90.6    |
| 11.0                        | 90.5    | 90.6        | 90.6        | 90.8    | 90.8      | 90.8      | 90.9      | 90.9      | 90.9      | 90.9    |
| 11.5                        | 91.7    | 91.9        | 91.9        | 92.0    | 92.0      | 92.0      | 92.0      | 92.1      | 92.1      | 92.1    |
| 12.0                        | 93.2    | 93.4        | 93.4        | 93.4    | 93.4      | 93.4      | 93.5      | 93.5      | 93.5      | 93.5    |
| .....                       |         |             |             |         |           |           |           |           |           |         |
| 13.0                        | 94.3    | 94.5        | 94.5        | 94.5    | 94.5      | 94.6      | 94.6      | 94.7      | 94.7      | 94.7    |
| 13.5                        | 94.7    | 95.1        | 95.1        | 95.2    | 95.2      | 95.2      | 95.2      | 95.2      | 95.3      | 95.3    |
| 14.0                        | 95.5    | 95.9        | 95.9        | 96.0    | 96.0      | 96.0      | 96.0      | 96.0      | 96.1      | 96.1    |
| 14.5                        | 95.1    | 95.4        | 95.4        | 95.5    | 95.5      | 95.5      | 95.5      | 95.5      | 95.5      | 95.5    |
| 15.0                        | 95.5    | 97.2        | 97.3        | 97.4    | 97.4      | 97.4      | 97.5      | 97.5      | 97.5      | 97.5    |
| .....                       |         |             |             |         |           |           |           |           |           |         |
| 16.0                        | 97.5    | 98.0        | 98.1        | 98.2    | 98.2      | 98.2      | 98.3      | 98.4      | 98.4      | 98.4    |
| 16.5                        | 98.1    | 98.9        | 98.9        | 99.0    | 99.1      | 99.1      | 99.2      | 99.2      | 99.2      | 99.2    |
| 17.0                        | 98.2    | 98.9        | 99.1        | 99.3    | 99.3      | 99.4      | 99.5      | 99.5      | 99.6      | 99.6    |
| 17.5                        | 98.2    | 99.0        | 99.2        | 99.4    | 99.5      | 99.6      | 99.7      | 99.8      | 99.9      | 99.9    |
| 18.0                        | 98.2    | 99.0        | 99.2        | 99.5    | 99.6      | 99.6      | 99.8      | 99.9      | 99.9      | 100.0   |
| .....                       |         |             |             |         |           |           |           |           |           |         |
| 19.0                        | 98.2    | 99.0        | 99.2        | 99.5    | 99.6      | 99.6      | 99.8      | 99.9      | 99.9      | 100.0   |
| .....                       |         |             |             |         |           |           |           |           |           |         |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBOINS AFB GA

LST TO UTC: + 5

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | GE<br>5 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
| NO CEIL    | 44.1    | 50.0    | 57.4    | 60.2    | 62.2    | 63.0        | 63.3    | 63.3        | 63.3        |
| GE 20000   | 47.2    | 55.2    | 62.0    | 65.2    | 67.2    | 68.0        | 68.3    | 68.5        | 68.5        |
| GE 18000   | 47.2    | 55.2    | 62.0    | 65.2    | 67.2    | 68.0        | 68.3    | 68.5        | 68.5        |
| GE 16000   | 47.4    | 55.5    | 62.4    | 65.5    | 67.5    | 68.3        | 68.7    | 68.9        | 68.9        |
| GE 14000   | 48.0    | 55.3    | 63.1    | 65.3    | 68.3    | 69.1        | 69.4    | 69.6        | 69.6        |
| GE 12000   | 48.1    | 55.7    | 63.5    | 65.7    | 68.7    | 69.4        | 69.3    | 70.0        | 70.0        |
| GE 10000   | 50.4    | 59.5    | 65.9    | 70.2    | 72.5    | 73.3        | 73.7    | 73.9        | 73.9        |
| GE 9000    | 50.4    | 59.5    | 65.9    | 70.2    | 72.5    | 73.3        | 73.7    | 74.1        | 74.3        |
| GE 8000    | 51.5    | 62.0    | 69.3    | 73.1    | 75.5    | 76.3        | 77.0    | 77.2        | 77.2        |
| GE 7000    | 52.2    | 63.1    | 70.4    | 74.3    | 76.7    | 77.4        | 78.1    | 78.3        | 78.3        |
| GE 6000    | 52.2    | 63.3    | 70.5    | 74.6    | 77.0    | 77.8        | 78.5    | 78.7        | 78.7        |
| GE 5000    | 52.5    | 63.9    | 71.1    | 75.5    | 78.0    | 78.7        | 79.4    | 79.6        | 79.6        |
| GE 4500    | 53.1    | 64.6    | 71.9    | 75.3    | 78.7    | 79.4        | 80.2    | 80.4        | 80.4        |
| GE 4000    | 53.5    | 65.2    | 72.5    | 77.5    | 80.4    | 81.1        | 81.7    | 82.0        | 82.0        |
| GE 3500    | 53.9    | 65.7    | 73.3    | 78.5    | 81.3    | 82.0        | 82.8    | 83.0        | 83.0        |
| GE 3000    | 54.3    | 65.1    | 73.7    | 78.9    | 81.9    | 82.6        | 83.3    | 83.5        | 83.5        |
| GE 2500    | 54.4    | 65.3    | 74.1    | 79.3    | 82.2    | 83.0        | 83.7    | 83.9        | 83.9        |
| GE 2000    | 54.4    | 67.4    | 75.2    | 80.5    | 84.1    | 84.5        | 85.5    | 85.7        | 85.7        |
| GE 1800    | 54.3    | 67.5    | 75.6    | 80.9    | 84.4    | 85.2        | 85.9    | 86.1        | 86.1        |
| GE 1500    | 55.0    | 68.0    | 76.1    | 81.5    | 85.0    | 85.8        | 86.7    | 86.8        | 86.8        |
| GE 1200    | 55.2    | 68.9    | 77.2    | 83.0    | 85.7    | 87.5        | 88.3    | 88.5        | 88.5        |
| GE 1000    | 55.7    | 69.5    | 78.1    | 84.3    | 88.0    | 88.7        | 89.5    | 89.5        | 89.5        |
| GE 900     | 55.9    | 70.0    | 79.3    | 85.4    | 89.1    | 90.0        | 90.7    | 90.9        | 90.9        |
| GE 800     | 56.3    | 70.4    | 80.0    | 86.1    | 89.8    | 90.7        | 91.7    | 91.9        | 91.9        |
| GE 700     | 56.5    | 70.7    | 80.4    | 86.5    | 90.4    | 91.3        | 92.2    | 92.4        | 92.4        |
| GE 600     | 57.2    | 71.7    | 81.3    | 87.6    | 91.5    | 92.4        | 93.5    | 93.7        | 93.7        |
| GE 500     | 57.4    | 72.5    | 83.3    | 89.5    | 93.5    | 94.4        | 95.5    | 95.7        | 95.7        |
| GE 400     | 57.5    | 72.8    | 83.7    | 90.4    | 94.4    | 95.4        | 95.7    | 95.9        | 95.9        |
| GE 300     | 58.0    | 73.3    | 84.4    | 91.3    | 95.5    | 96.5        | 97.8    | 98.0        | 98.0        |
| GE 200     | 58.0    | 73.3    | 84.4    | 91.3    | 95.5    | 96.5        | 98.1    | 98.3        | 98.3        |
| GE 100     | 58.0    | 73.3    | 84.4    | 91.3    | 95.5    | 96.5        | 98.1    | 98.3        | 98.3        |

TOTAL NUMBER OF OBSERVATIONS 540

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: AFB GA PERIOD OF RECORD: JUN 72 - MAY 83  
MONTH: JUN HOURS: 03-05

| .....                    |         |             |             |         |           |           |           |           |           |         |
|--------------------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| CEILING IN STATUTE MILES |         |             |             |         |           |           |           |           |           |         |
| 1/2                      | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| .....                    |         |             |             |         |           |           |           |           |           |         |
| 63.0                     | 63.3    | 63.3        | 63.3        | 63.3    | 63.3      | 63.3      | 63.3      | 63.3      | 63.3      | 63.3    |
| 64.0                     | 64.3    | 64.5        | 64.5        | 64.5    | 64.5      | 64.5      | 64.7      | 64.7      | 64.7      | 64.7    |
| 65.0                     | 65.3    | 65.5        | 65.5        | 65.5    | 65.5      | 65.5      | 65.7      | 65.7      | 65.7      | 65.7    |
| 66.0                     | 66.7    | 66.9        | 66.9        | 66.9    | 66.9      | 66.9      | 67.1      | 67.1      | 67.1      | 67.1    |
| 67.0                     | 67.4    | 67.6        | 67.6        | 67.6    | 67.6      | 67.6      | 67.8      | 67.8      | 67.8      | 67.8    |
| 68.0                     | 68.3    | 70.0        | 70.0        | 70.0    | 70.0      | 70.0      | 70.2      | 70.2      | 70.2      | 70.2    |
| 70.0                     | 73.7    | 73.9        | 73.9        | 73.9    | 73.9      | 73.9      | 74.1      | 74.1      | 74.1      | 74.1    |
| 71.0                     | 74.1    | 74.3        | 74.3        | 74.3    | 74.3      | 74.3      | 74.4      | 74.4      | 74.4      | 74.4    |
| 72.0                     | 77.3    | 77.2        | 77.2        | 77.2    | 77.2      | 77.2      | 77.4      | 77.4      | 77.4      | 77.4    |
| 73.0                     | 77.1    | 78.3        | 78.3        | 78.3    | 78.3      | 78.3      | 78.5      | 78.5      | 78.5      | 78.5    |
| 74.0                     | 78.5    | 78.7        | 78.7        | 78.7    | 78.7      | 78.7      | 78.9      | 78.9      | 78.9      | 78.9    |
| 75.0                     | 79.4    | 79.6        | 79.6        | 79.6    | 79.6      | 79.6      | 79.8      | 79.8      | 79.8      | 79.8    |
| 76.0                     | 80.2    | 80.4        | 80.4        | 80.4    | 80.4      | 80.4      | 80.6      | 80.6      | 80.6      | 80.6    |
| 77.0                     | 81.9    | 82.0        | 82.0        | 82.0    | 82.0      | 82.0      | 82.2      | 82.2      | 82.2      | 82.2    |
| 78.0                     | 82.3    | 83.0        | 83.0        | 83.0    | 83.0      | 83.0      | 83.1      | 83.1      | 83.1      | 83.1    |
| 79.0                     | 83.3    | 83.5        | 83.5        | 83.5    | 83.5      | 83.5      | 83.7      | 83.7      | 83.7      | 83.7    |
| 80.0                     | 83.7    | 83.9        | 83.9        | 83.9    | 83.9      | 83.9      | 84.1      | 84.1      | 84.1      | 84.1    |
| 81.0                     | 85.0    | 85.7        | 85.7        | 85.7    | 85.7      | 85.7      | 85.9      | 85.9      | 85.9      | 85.9    |
| 82.0                     | 85.7    | 86.1        | 86.1        | 86.1    | 86.1      | 86.1      | 86.3      | 86.3      | 86.3      | 86.3    |
| 83.0                     | 86.7    | 86.9        | 86.9        | 86.9    | 86.9      | 86.9      | 87.0      | 87.0      | 87.0      | 87.0    |
| 84.0                     | 88.3    | 88.5        | 88.5        | 88.5    | 88.5      | 88.5      | 88.7      | 88.7      | 88.7      | 88.7    |
| 85.0                     | 89.5    | 89.6        | 89.6        | 89.6    | 89.6      | 89.6      | 89.8      | 89.8      | 89.8      | 89.8    |
| 86.0                     | 90.7    | 90.9        | 90.9        | 90.9    | 90.9      | 90.9      | 91.1      | 91.1      | 91.1      | 91.1    |
| 87.0                     | 91.7    | 91.9        | 91.9        | 91.9    | 91.9      | 91.9      | 92.0      | 92.0      | 92.0      | 92.0    |
| 88.0                     | 92.2    | 92.4        | 92.4        | 92.4    | 92.4      | 92.4      | 92.6      | 92.6      | 92.6      | 92.6    |
| 89.0                     | 93.5    | 93.7        | 93.7        | 93.7    | 93.7      | 93.7      | 93.9      | 93.9      | 93.9      | 93.9    |
| 90.0                     | 95.5    | 95.7        | 95.7        | 95.7    | 95.7      | 95.7      | 95.9      | 95.9      | 95.9      | 95.9    |
| 91.0                     | 95.7    | 95.9        | 96.0        | 96.0    | 96.0      | 96.0      | 97.0      | 97.0      | 97.0      | 97.0    |
| 92.0                     | 97.8    | 98.0        | 98.0        | 98.1    | 98.3      | 98.3      | 98.5      | 98.5      | 98.5      | 98.5    |
| 93.0                     | 98.1    | 98.3        | 98.3        | 98.5    | 98.7      | 98.7      | 99.4      | 99.6      | 99.6      | 99.6    |
| 94.0                     | 98.1    | 98.3        | 98.3        | 98.5    | 98.7      | 98.7      | 99.4      | 99.8      | 100.0     | 100.0   |
| 95.0                     | 98.1    | 98.3        | 98.3        | 98.5    | 98.7      | 98.7      | 99.4      | 99.8      | 100.0     | 100.0   |
| .....                    |         |             |             |         |           |           |           |           |           |         |



OPERATING LOCATION "A"  
USAFPTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>5 | GE<br>3 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 34.4                        | 46.2    | 51.5    | 55.1    | 54.5    | 57.4        | 51.2    | 56.3        | 54.3        |
| GE 20000              | 37.3                        | 50.1    | 55.1    | 50.2    | 51.5    | 52.7        | 53.5    | 53.5        | 53.5        |
| GE 18000              | 37.3                        | 50.1    | 55.1    | 50.2    | 51.5    | 52.7        | 53.5    | 53.5        | 53.5        |
| GE 16000              | 37.4                        | 50.2    | 55.2    | 50.3    | 51.9    | 52.3        | 53.7    | 53.9        | 53.9        |
| GE 14000              | 37.6                        | 50.5    | 55.5    | 50.7    | 52.2    | 53.1        | 54.0    | 54.2        | 54.2        |
| GE 12000              | 38.2                        | 51.4    | 57.5    | 51.9    | 53.3    | 54.2        | 55.1    | 55.3        | 55.3        |
| GE 10000              | 40.7                        | 54.7    | 61.1    | 55.7    | 57.2    | 58.1        | 59.0    | 59.3        | 59.3        |
| GE 9000               | 41.0                        | 55.1    | 61.3    | 55.8    | 58.4    | 59.3        | 60.2    | 60.5        | 60.5        |
| GE 8000               | 43.0                        | 57.4    | 64.3    | 59.5    | 61.4    | 62.3        | 63.4    | 63.8        | 63.8        |
| GE 7000               | 43.9                        | 58.4    | 65.4    | 60.9    | 62.3    | 63.7        | 64.8    | 65.1        | 65.1        |
| GE 6000               | 44.0                        | 58.7    | 65.7    | 61.2    | 63.1    | 64.0        | 65.1    | 65.4        | 65.4        |
| GE 5000               | 44.4                        | 59.2    | 65.3    | 62.1    | 64.1    | 65.0        | 66.1    | 66.4        | 66.4        |
| GE 4500               | 44.5                        | 59.3    | 65.4    | 62.3    | 64.3    | 65.2        | 66.3    | 66.7        | 66.7        |
| GE 4000               | 45.2                        | 60.1    | 67.7    | 63.9    | 65.9    | 66.3        | 67.9    | 68.2        | 68.2        |
| GE 3500               | 45.8                        | 60.7    | 68.2    | 64.5    | 66.5    | 67.4        | 68.6    | 68.9        | 68.9        |
| GE 3000               | 45.1                        | 61.1    | 68.2    | 65.1    | 67.1    | 68.0        | 69.1    | 69.5        | 69.5        |
| GE 2500               | 45.3                        | 61.5    | 69.3    | 65.7    | 67.7    | 68.5        | 69.7    | 70.1        | 70.1        |
| GE 2000               | 45.4                        | 61.9    | 69.9    | 66.4    | 68.4    | 69.4        | 70.5    | 71.0        | 71.0        |
| GE 1800               | 45.5                        | 62.0    | 70.0    | 66.5    | 68.5    | 69.5        | 70.7    | 71.1        | 71.1        |
| GE 1500               | 45.9                        | 63.0    | 71.3    | 68.3    | 70.3    | 71.4        | 72.5    | 73.0        | 73.0        |
| GE 1200               | 47.1                        | 63.9    | 72.3    | 69.3    | 72.2    | 73.3        | 74.4    | 75.0        | 75.0        |
| GE 1000               | 47.4                        | 64.4    | 73.4    | 70.5    | 73.3    | 74.0        | 75.1    | 75.7        | 75.7        |
| GE 900                | 47.5                        | 64.9    | 74.4    | 71.3    | 74.9    | 75.2        | 76.3    | 76.9        | 76.9        |
| GE 800                | 48.0                        | 65.6    | 75.2    | 72.3    | 75.1    | 76.4        | 77.7    | 78.2        | 78.2        |
| GE 700                | 48.1                        | 65.4    | 76.8    | 74.6    | 73.0    | 73.4        | 74.9    | 71.6        | 91.6        |
| GE 600                | 48.4                        | 67.2    | 77.7    | 75.7    | 79.2    | 70.7        | 72.2    | 72.9        | 92.9        |
| GE 500                | 48.7                        | 67.8    | 78.8    | 76.9    | 80.9    | 72.4        | 74.4    | 75.3        | 95.3        |
| GE 400                | 48.7                        | 67.9    | 79.3    | 78.1    | 82.3    | 73.0        | 75.1    | 77.3        | 97.3        |
| GE 300                | 48.3                        | 68.0    | 79.4    | 78.3    | 82.5    | 74.3        | 75.5    | 78.0        | 98.0        |
| GE 200                | 48.3                        | 68.0    | 79.4    | 78.3    | 82.3    | 74.3        | 75.5    | 78.2        | 98.2        |
| GE 100                | 48.3                        | 68.0    | 79.4    | 78.3    | 82.3    | 74.3        | 75.5    | 78.2        | 98.2        |
| GE 000                | 48.3                        | 68.0    | 79.4    | 78.3    | 82.3    | 74.3        | 75.5    | 78.2        | 98.2        |

TOTAL NUMBER OF OBSERVATIONS 900

1

0 - 2 - 45

# PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: 3A

PERIOD OF RECORD: JUN 78 - MAY 84  
MONTH: JUN HOURS: 06-08

VISIBILITY IN STATUTE MILES

|     | GE<br>1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/3 | GE<br>1/4 | GE<br>0 |
|-----|-----------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 0.0 | 50.2      | 50.2    | 50.3        | 50.3        | 50.3    | 50.5      | 50.7      | 50.8      | 50.8      | 50.8      | 50.8    |
| 0.1 | 53.5      | 53.5    | 53.5        | 53.5        | 53.9    | 54.1      | 54.2      | 54.3      | 54.3      | 54.3      | 54.3    |
| 0.2 | 53.5      | 53.5    | 53.5        | 53.5        | 53.9    | 54.1      | 54.2      | 54.3      | 54.3      | 54.3      | 54.3    |
| 0.3 | 53.7      | 53.7    | 53.9        | 53.9        | 54.0    | 54.2      | 54.3      | 54.4      | 54.4      | 54.4      | 54.4    |
| 0.4 | 54.0      | 54.2    | 54.2        | 54.3        | 54.5    | 54.6      | 54.7      | 54.8      | 54.8      | 54.8      | 54.8    |
| 0.5 | 55.1      | 55.3    | 55.3        | 55.4        | 55.7    | 55.8      | 55.9      | 55.9      | 55.9      | 55.9      | 55.9    |
| 0.6 | 59.0      | 59.3    | 59.3        | 59.4        | 59.7    | 59.8      | 59.9      | 59.9      | 59.9      | 59.9      | 59.9    |
| 0.7 | 70.2      | 70.5    | 70.5        | 70.7        | 70.9    | 71.0      | 71.1      | 71.1      | 71.1      | 71.1      | 71.1    |
| 0.8 | 73.4      | 73.8    | 73.8        | 73.9        | 74.1    | 74.2      | 74.3      | 74.3      | 74.3      | 74.3      | 74.3    |
| 0.9 | 74.4      | 75.1    | 75.1        | 75.2        | 75.4    | 75.5      | 75.7      | 75.7      | 75.7      | 75.7      | 75.7    |
| 1.0 | 75.1      | 75.4    | 75.4        | 75.5        | 75.8    | 75.9      | 76.0      | 76.0      | 76.0      | 76.0      | 76.0    |
| 1.1 | 75.1      | 75.4    | 75.4        | 75.5        | 75.8    | 75.9      | 76.0      | 76.0      | 76.0      | 76.0      | 76.0    |
| 1.2 | 75.3      | 76.7    | 76.7        | 76.8        | 77.0    | 77.1      | 77.2      | 77.2      | 77.2      | 77.2      | 77.2    |
| 1.3 | 77.0      | 78.2    | 78.2        | 78.3        | 78.6    | 78.7      | 78.8      | 78.8      | 78.8      | 78.8      | 78.8    |
| 1.4 | 78.6      | 78.9    | 78.9        | 79.0        | 79.2    | 79.3      | 79.4      | 79.4      | 79.4      | 79.4      | 79.4    |
| 1.5 | 79.1      | 79.5    | 79.5        | 79.7        | 79.9    | 80.0      | 80.1      | 80.1      | 80.1      | 80.1      | 80.1    |
| 1.6 | 79.7      | 80.1    | 80.1        | 80.2        | 80.4    | 80.5      | 80.7      | 80.7      | 80.7      | 80.7      | 80.7    |
| 1.7 | 80.5      | 81.0    | 81.0        | 81.1        | 81.3    | 81.4      | 81.5      | 81.6      | 81.6      | 81.6      | 81.6    |
| 1.8 | 80.7      | 81.1    | 81.1        | 81.2        | 81.4    | 81.5      | 81.7      | 81.7      | 81.7      | 81.7      | 81.7    |
| 1.9 | 82.6      | 83.0    | 83.0        | 83.1        | 83.3    | 83.4      | 83.6      | 83.6      | 83.6      | 83.6      | 83.6    |
| 2.0 | 84.4      | 85.0    | 85.0        | 85.1        | 85.3    | 85.4      | 85.6      | 85.6      | 85.6      | 85.6      | 85.6    |
| 2.1 | 85.1      | 85.7    | 85.7        | 85.8        | 87.0    | 87.1      | 87.2      | 87.2      | 87.2      | 87.2      | 87.2    |
| 2.2 | 87.3      | 87.9    | 87.9        | 88.0        | 88.2    | 88.3      | 88.4      | 88.4      | 88.4      | 88.4      | 88.4    |
| 2.3 | 88.7      | 89.2    | 89.2        | 89.3        | 89.6    | 89.7      | 89.8      | 89.8      | 89.8      | 89.8      | 89.8    |
| 2.4 | 89.9      | 91.6    | 91.6        | 91.7        | 91.9    | 92.0      | 92.1      | 92.1      | 92.1      | 92.1      | 92.1    |
| 2.5 | 92.2      | 92.9    | 92.9        | 93.0        | 93.2    | 93.3      | 93.4      | 93.4      | 93.4      | 93.4      | 93.4    |
| 2.6 | 94.4      | 95.3    | 95.3        | 95.4        | 95.7    | 95.8      | 95.9      | 95.9      | 95.9      | 95.9      | 95.9    |
| 2.7 | 95.1      | 97.3    | 97.3        | 97.6        | 97.8    | 97.9      | 98.0      | 98.0      | 98.0      | 98.0      | 98.0    |
| 2.8 | 95.5      | 98.0    | 98.0        | 98.3        | 98.7    | 98.8      | 98.9      | 98.9      | 98.9      | 98.9      | 98.9    |
| 2.9 | 95.8      | 98.2    | 98.2        | 98.5        | 99.1    | 99.2      | 99.3      | 99.4      | 99.4      | 99.4      | 99.4    |
| 3.0 | 95.8      | 98.2    | 98.2        | 98.5        | 99.1    | 99.2      | 99.3      | 99.6      | 99.7      | 100.0     | 100.0   |
| 3.1 | 95.8      | 98.2    | 98.2        | 98.6        | 99.1    | 99.2      | 99.3      | 99.6      | 99.7      | 100.0     | 100.0   |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA

LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 44.7                        | 55.0    | 57.7    | 59.0    | 59.3    | 59.3        | 59.3    | 59.3        | 59.3        | 59.3    |
| GE 20000              | 47.2                        | 58.3    | 61.8    | 63.2    | 63.3    | 63.3        | 63.3    | 63.3        | 63.3        | 63.3    |
| GE 18000              | 47.2                        | 58.3    | 61.3    | 63.3    | 63.3    | 63.3        | 63.3    | 63.3        | 63.3        | 63.3    |
| GE 16000              | 47.2                        | 58.3    | 61.3    | 63.3    | 63.3    | 63.3        | 63.3    | 63.3        | 63.3        | 63.3    |
| GE 14000              | 47.2                        | 58.3    | 61.3    | 63.4    | 63.9    | 63.9        | 63.9    | 63.9        | 63.9        | 63.9    |
| GE 12000              | 47.5                        | 58.4    | 62.4    | 64.0    | 64.4    | 64.4        | 64.4    | 64.4        | 64.4        | 64.4    |
| GE 10000              | 50.5                        | 63.1    | 67.0    | 68.6    | 69.0    | 69.0        | 69.0    | 69.0        | 69.0        | 69.0    |
| GE 9000               | 50.7                        | 63.4    | 67.3    | 68.9    | 69.3    | 69.3        | 69.3    | 69.3        | 69.3        | 69.3    |
| GE 8000               | 53.0                        | 65.7    | 70.2    | 71.9    | 72.7    | 72.7        | 72.7    | 72.7        | 72.7        | 72.7    |
| GE 7000               | 53.3                        | 65.1    | 70.3    | 72.7    | 73.4    | 73.4        | 73.4    | 73.4        | 73.4        | 73.4    |
| GE 6000               | 53.3                        | 65.1    | 70.3    | 72.7    | 73.4    | 73.4        | 73.4    | 73.4        | 73.4        | 73.4    |
| GE 5000               | 54.1                        | 67.8    | 72.7    | 74.5    | 75.3    | 75.3        | 75.3    | 75.3        | 75.3        | 75.3    |
| GE 4500               | 54.2                        | 67.9    | 72.3    | 74.7    | 75.4    | 75.4        | 75.4    | 75.4        | 75.4        | 75.4    |
| GE 4000               | 54.3                        | 68.4    | 73.3    | 75.2    | 75.7    | 75.7        | 75.7    | 75.7        | 75.7        | 75.7    |
| GE 3500               | 55.5                        | 69.3    | 74.2    | 76.1    | 76.7    | 76.7        | 76.7    | 76.7        | 76.7        | 76.7    |
| GE 3000               | 56.3                        | 71.0    | 75.1    | 78.1    | 79.0    | 79.0        | 79.0    | 79.0        | 79.0        | 79.0    |
| GE 2500               | 57.5                        | 72.1    | 77.4    | 79.7    | 80.7    | 80.7        | 80.7    | 80.7        | 80.7        | 80.7    |
| GE 2000               | 57.1                        | 74.9    | 80.7    | 83.3    | 84.5    | 84.5        | 84.7    | 84.7        | 84.7        | 84.7    |
| GE 1800               | 59.4                        | 75.7    | 81.4    | 84.2    | 85.4    | 85.4        | 85.5    | 85.5        | 85.5        | 85.5    |
| GE 1500               | 60.7                        | 77.7    | 84.1    | 87.2    | 88.6    | 88.6        | 88.7    | 88.7        | 88.7        | 88.7    |
| GE 1200               | 61.7                        | 79.2    | 85.9    | 89.9    | 92.0    | 92.1        | 92.2    | 92.2        | 92.2        | 92.2    |
| GE 1000               | 62.1                        | 80.4    | 87.5    | 92.2    | 95.0    | 95.2        | 95.3    | 95.3        | 95.3        | 95.3    |
| GE 900                | 62.3                        | 81.0    | 89.4    | 93.2    | 95.0    | 95.2        | 95.3    | 95.3        | 95.3        | 95.3    |
| GE 800                | 62.4                        | 81.1    | 89.9    | 93.7    | 95.4    | 95.3        | 95.9    | 95.9        | 95.9        | 95.9    |
| GE 700                | 62.5                        | 81.5    | 89.6    | 94.4    | 97.4    | 97.9        | 98.0    | 98.1        | 98.1        | 98.1    |
| GE 600                | 62.7                        | 81.7    | 89.7    | 94.5    | 97.5    | 98.0        | 98.2    | 98.5        | 98.5        | 98.5    |
| GE 500                | 62.7                        | 81.8    | 89.8    | 95.1    | 98.1    | 98.5        | 98.8    | 99.3        | 99.3        | 99.3    |
| GE 400                | 62.7                        | 81.8    | 89.8    | 95.1    | 98.2    | 98.7        | 98.9    | 99.6        | 99.7        | 99.7    |
| GE 300                | 62.7                        | 81.8    | 89.8    | 95.1    | 98.2    | 98.7        | 98.9    | 99.5        | 99.8        | 99.8    |
| GE 200                | 62.7                        | 81.8    | 89.8    | 95.1    | 98.2    | 98.7        | 98.9    | 99.5        | 99.8        | 99.8    |
| GE 100                | 62.7                        | 81.8    | 89.8    | 95.1    | 98.2    | 98.7        | 98.9    | 99.5        | 99.8        | 99.8    |
| GE 000                | 62.7                        | 81.8    | 89.8    | 95.1    | 98.2    | 98.7        | 98.9    | 99.5        | 99.8        | 99.8    |

TOTAL NUMBER OF OBSERVATIONS 900

F

45 4-3 64

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 LIABILITY IN STATUTE MILES

7 - 2 - 45

OPERATING LOCATION "AW"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 45.8                        | 52.0    | 52.3    | 53.1    | 53.2    | 53.2        | 53.2    | 53.2        | 53.2        |
| GE 20000              | 52.2                        | 59.8    | 61.2    | 61.3    | 61.9    | 61.9        | 61.9    | 61.9        | 61.9        |
| GE 18000              | 52.3                        | 60.4    | 61.9    | 62.4    | 62.6    | 62.6        | 62.6    | 62.6        | 62.6        |
| GE 16000              | 52.3                        | 60.4    | 61.9    | 62.4    | 62.6    | 62.6        | 62.6    | 62.6        | 62.6        |
| GE 14000              | 52.3                        | 60.7    | 62.1    | 62.7    | 62.3    | 62.3        | 62.3    | 62.3        | 62.3        |
| GE 12000              | 53.4                        | 61.7    | 63.1    | 63.7    | 63.3    | 63.3        | 63.3    | 63.3        | 63.3        |
| GE 10000              | 55.4                        | 64.3    | 65.1    | 66.7    | 65.3    | 66.3        | 65.9    | 66.3        | 65.9        |
| GE 9000               | 55.7                        | 64.8    | 65.5    | 67.1    | 67.2    | 67.2        | 67.2    | 67.2        | 67.2        |
| GE 8000               | 57.3                        | 67.0    | 69.2    | 70.3    | 70.2    | 70.2        | 70.2    | 70.2        | 70.2        |
| GE 7000               | 58.2                        | 67.4    | 69.3    | 70.6    | 70.3    | 70.3        | 70.3    | 70.3        | 70.3        |
| GE 6000               | 53.2                        | 67.4    | 69.3    | 70.5    | 70.3    | 70.3        | 70.3    | 70.3        | 70.3        |
| GE 5000               | 53.7                        | 68.1    | 70.4    | 71.2    | 71.5    | 71.7        | 71.3    | 71.3        | 71.3        |
| GE 4500               | 59.4                        | 69.1    | 71.4    | 72.2    | 72.5    | 72.7        | 72.4    | 72.3        | 72.3        |
| GE 4000               | 62.3                        | 74.0    | 77.0    | 77.9    | 73.3    | 73.4        | 73.5    | 73.5        | 73.5        |
| GE 3500               | 55.0                        | 75.9    | 80.2    | 81.6    | 82.0    | 82.1        | 82.2    | 82.2        | 82.2        |
| GE 3000               | 59.3                        | 62.9    | 67.4    | 82.1    | 89.7    | 83.3        | 89.3    | 89.3        | 89.3        |
| GE 2500               | 70.3                        | 84.9    | 89.5    | 91.7    | 92.2    | 92.3        | 92.4    | 92.5        | 92.5        |
| GE 2000               | 72.3                        | 87.0    | 92.1    | 94.4    | 95.0    | 95.1        | 95.3    | 95.4        | 95.4        |
| GE 1800               | 72.3                        | 87.6    | 92.9    | 95.3    | 95.0    | 95.1        | 95.3    | 95.4        | 95.4        |
| GE 1600               | 72.9                        | 87.3    | 93.2    | 95.9    | 96.5    | 96.7        | 97.0    | 97.1        | 97.1        |
| GE 1200               | 73.2                        | 83.4    | 93.9    | 95.3    | 97.4    | 97.6        | 97.2    | 98.0        | 98.0        |
| GE 1000               | 73.4                        | 85.3    | 95.0    | 98.1    | 98.8    | 98.9        | 99.2    | 99.3        | 99.3        |
| GE 900                | 73.4                        | 89.0    | 95.1    | 98.2    | 98.9    | 99.0        | 99.3    | 99.4        | 99.4        |
| GE 800                | 73.5                        | 89.1    | 95.2    | 98.3    | 99.1    | 99.2        | 99.5    | 99.7        | 99.7        |
| GE 700                | 73.5                        | 89.1    | 95.2    | 98.3    | 99.1    | 99.2        | 99.5    | 99.7        | 99.7        |
| GE 600                | 73.5                        | 89.1    | 95.2    | 98.3    | 99.1    | 99.2        | 99.5    | 99.7        | 99.7        |
| GE 500                | 73.5                        | 89.1    | 95.2    | 98.3    | 99.1    | 99.2        | 99.7    | 99.3        | 99.9        |
| GE 400                | 73.5                        | 89.1    | 95.2    | 98.3    | 99.1    | 99.2        | 99.7    | 99.3        | 99.3        |
| GE 300                | 73.5                        | 89.1    | 95.2    | 98.3    | 99.1    | 99.2        | 99.7    | 99.3        | 99.3        |
| GE 200                | 73.5                        | 89.1    | 95.2    | 98.3    | 99.1    | 99.2        | 99.7    | 99.3        | 99.3        |
| GE 100                | 73.5                        | 89.1    | 95.2    | 98.3    | 99.1    | 99.2        | 99.7    | 99.3        | 99.3        |
| G 000                 | 73.5                        | 89.1    | 95.2    | 98.3    | 99.1    | 99.2        | 99.7    | 99.3        | 99.3        |

TOTAL NUMBER OF OBSERVATIONS 900

PERIOD OF RECORD: JUN 75 - MAY 80  
MONTH: JUN HOURS: 12-14

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM 45 JULY 1955 OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBS AFB GA  
LST TO UTC: + 5

2141  
4001

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 50.3                        | 56.5    | 57.4    | 57.8    | 58.0    | 58.0        | 58.0    | 58.0        | 58.0        | 58.0    |
| GE 20000              | 59.7                        | 67.4    | 63.2    | 63.7    | 69.1    | 69.1        | 69.1    | 69.1        | 69.1        | 69.1    |
| GE 18000              | 59.9                        | 67.7    | 63.4    | 63.9    | 69.3    | 69.3        | 69.3    | 69.3        | 69.3        | 69.3    |
| GE 16000              | 59.3                        | 67.7    | 63.4    | 63.9    | 69.3    | 69.3        | 69.3    | 69.3        | 69.3        | 69.3    |
| GE 14000              | 60.0                        | 60.1    | 63.9    | 69.4    | 69.9    | 69.9        | 69.9    | 69.9        | 69.9        | 69.9    |
| GE 12000              | 60.0                        | 69.0    | 69.9    | 70.3    | 70.3    | 70.3        | 70.3    | 70.3        | 70.3        | 70.3    |
| GE 10000              | 64.9                        | 74.6    | 72.6    | 75.1    | 75.7    | 75.7        | 75.7    | 75.7        | 75.7        | 75.7    |
| GE 9000               | 65.3                        | 75.3    | 75.1    | 75.7    | 77.2    | 77.2        | 77.2    | 77.2        | 77.2        | 77.2    |
| GE 8000               | 65.3                        | 73.7    | 79.9    | 80.6    | 81.2    | 81.2        | 81.2    | 81.2        | 81.2        | 81.2    |
| GE 7000               | 69.2                        | 79.6    | 80.9    | 81.6    | 82.5    | 82.6        | 82.7    | 82.7        | 82.7        | 82.7    |
| GE 6000               | 69.4                        | 79.6    | 81.1    | 81.9    | 82.3    | 82.3        | 82.9    | 82.9        | 82.9        | 82.9    |
| GE 5000               | 71.1                        | 81.4    | 82.8    | 83.4    | 84.7    | 84.7        | 84.8    | 84.8        | 84.8        | 84.8    |
| GE 4500               | 72.3                        | 82.9    | 84.2    | 84.9    | 85.1    | 85.1        | 85.2    | 85.2        | 85.2        | 85.2    |
| GE 4000               | 74.2                        | 85.3    | 87.6    | 88.6    | 89.9    | 89.9        | 90.0    | 90.0        | 90.0        | 90.0    |
| GE 3500               | 75.6                        | 87.6    | 89.3    | 90.4    | 91.8    | 91.9        | 91.9    | 92.0        | 92.0        | 92.0    |
| GE 3000               | 77.2                        | 90.5    | 92.4    | 93.8    | 95.1    | 95.1        | 95.3    | 95.4        | 95.4        | 95.4    |
| GE 2500               | 78.4                        | 92.2    | 94.1    | 95.7    | 97.1    | 97.1        | 97.3    | 97.4        | 97.4        | 97.4    |
| GE 2000               | 78.4                        | 92.4    | 94.4    | 95.1    | 97.8    | 97.9        | 98.1    | 98.2        | 98.2        | 98.2    |
| GE 1800               | 78.5                        | 92.6    | 94.6    | 95.2    | 98.0    | 98.1        | 98.3    | 98.4        | 98.4        | 98.4    |
| GE 1500               | 78.6                        | 92.6    | 94.6    | 95.3    | 98.1    | 98.2        | 98.4    | 98.7        | 98.7        | 98.7    |
| GE 1200               | 78.6                        | 92.8    | 94.9    | 95.3    | 98.5    | 98.7        | 98.9    | 99.1        | 99.1        | 99.1    |
| GE 1000               | 78.6                        | 92.9    | 95.0    | 95.9    | 98.9    | 99.0        | 99.3    | 99.6        | 99.6        | 99.6    |
| GE 900                | 78.6                        | 92.9    | 95.0    | 95.9    | 98.9    | 99.0        | 99.3    | 99.6        | 99.6        | 99.6    |
| GE 800                | 78.7                        | 93.0    | 95.1    | 97.1    | 99.1    | 99.2        | 99.4    | 99.6        | 99.6        | 99.6    |
| GE 700                | 78.7                        | 93.0    | 95.1    | 97.1    | 99.1    | 99.2        | 99.5    | 99.8        | 99.8        | 99.8    |
| GE 600                | 78.7                        | 93.0    | 95.1    | 97.1    | 99.1    | 99.2        | 99.6    | 99.8        | 99.8        | 99.8    |
| GE 500                | 78.7                        | 93.0    | 95.1    | 97.1    | 99.1    | 99.2        | 99.6    | 99.8        | 99.8        | 99.8    |
| GE 400                | 78.7                        | 93.0    | 95.1    | 97.1    | 99.1    | 99.2        | 99.6    | 99.8        | 99.8        | 99.8    |
| GE 300                | 78.7                        | 93.0    | 95.1    | 97.1    | 99.1    | 99.2        | 99.6    | 99.8        | 99.8        | 99.8    |
| GE 200                | 78.7                        | 93.0    | 95.1    | 97.1    | 99.1    | 99.2        | 99.6    | 99.8        | 99.8        | 99.8    |
| GE 100                | 78.7                        | 93.0    | 95.1    | 97.1    | 99.1    | 99.2        | 99.6    | 99.8        | 99.8        | 99.8    |
| GE 000                | 78.7                        | 93.0    | 95.1    | 97.1    | 99.1    | 99.2        | 99.6    | 99.8        | 99.8        | 99.8    |

TOTAL NUMBER OF OBSERVATIONS 900

4

0 - 2 - 48

### FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY AS IN AIRLINE OBSERVATIONS

44-38861-54

PERIOD OF RECORD: JUN 74 - MAY 78  
MONTH: JUN HOURS: 15-17

MILEAGE IN STATUTE MILES

|    |    |       |       |    |     |     |     |     |     |    |
|----|----|-------|-------|----|-----|-----|-----|-----|-----|----|
|    | GE | GE    | GF    | GF | GE  | GE  | GE  | GF  | GE  | GE |
| LZ | 2  | 1 1/2 | 1 1/4 | 1  | 3/4 | 5/8 | 1/2 | 3/8 | 1/4 | 0  |

|   |      |      |      |      |      |      |      |      |      |      |
|---|------|------|------|------|------|------|------|------|------|------|
| 7 | 54.0 | 58.0 | 53.0 | 52.0 | 54.0 | 58.0 | 52.0 | 53.0 | 53.0 | 52.0 |
|---|------|------|------|------|------|------|------|------|------|------|

[illegible]

54.3 54.3 57.3 57.3 59.3 59.3 57.3 54.3 57.3 57.3

57.5 57.3 57.3 57.3 59.3 57.3 59.3 57.3 57.3 57.3

[illegible]

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 70.2 | 70.2 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.2 | 70.3 | 70.3 |
|------|------|------|------|------|------|------|------|------|------|

75.7 75.7 75.7 75.7 75.7 75.7 75.7 75.7 75.7 75.7

71.2 77.2 77.2 77.2 71.2 77.2 77.2 77.2 77.2 77.2

|   |     |     |     |     |     |     |     |     |     |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | 1.0 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|

[illegible]

12.4 12.9 12.9 12.9 12.9 12.9 12.9 12.9 12.9 12.9

14.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0

1. 10.2 11.2 12.2 13.2 14.2 15.2 16.2 17.2 18.2 19.2 20.2

7.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0

[illegible][illegible][illegible]

|      |      |      |      |      |      |      |      |      |       |
|------|------|------|------|------|------|------|------|------|-------|
| 10.1 | 20.2 | 30.2 | 40.2 | 50.2 | 60.2 | 70.2 | 80.2 | 90.2 | 100.2 |
|------|------|------|------|------|------|------|------|------|-------|

|   |      |      |      |      |      |      |      |      |      |      |
|---|------|------|------|------|------|------|------|------|------|------|
| 1 | 10.3 | 11.4 | 12.4 | 13.4 | 15.4 | 16.4 | 98.7 | 99.4 | 99.4 | 99.4 |
|---|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 97.4 | 98.7 | 98.7 | 97.3 | 95.8 | 92.8 | 91.5 | 91.2 | 90.2 | 90.9 |
|------|------|------|------|------|------|------|------|------|------|------|

|    |      |      |      |      |      |      |      |      |      |      |
|----|------|------|------|------|------|------|------|------|------|------|
| 17 | 18.1 | 29.1 | 37.1 | 37.2 | 37.2 | 37.2 | 37.2 | 37.3 | 37.3 | 39.3 |
|----|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
|------|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 99.1 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
|------|------|------|------|------|------|------|------|------|------|------|

|  |      |      |      |      |      |      |      |       |       |       |
|--|------|------|------|------|------|------|------|-------|-------|-------|
|  | 97.4 | 98.3 | 99.3 | 99.3 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
|--|------|------|------|------|------|------|------|-------|-------|-------|

|  |      |      |      |      |      |      |      |       |       |       |
|--|------|------|------|------|------|------|------|-------|-------|-------|
|  | 97.5 | 98.2 | 99.0 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
|--|------|------|------|------|------|------|------|-------|-------|-------|

|   |      |      |      |      |      |      |      |      |      |       |
|---|------|------|------|------|------|------|------|------|------|-------|
| 0 | 10.5 | 20.5 | 30.5 | 40.5 | 50.5 | 60.5 | 70.5 | 80.5 | 90.5 | 100.0 |
|---|------|------|------|------|------|------|------|------|------|-------|

|      |      |      |      |      |      |      |       |       |       |
|------|------|------|------|------|------|------|-------|-------|-------|
| 77.5 | 77.5 | 77.7 | 78.7 | 89.2 | 94.9 | 97.5 | 100.0 | 100.0 | 100.0 |
|------|------|------|------|------|------|------|-------|-------|-------|

|   |      |      |      |      |      |      |      |       |       |       |
|---|------|------|------|------|------|------|------|-------|-------|-------|
| 1 | 77.5 | 77.3 | 77.3 | 77.2 | 77.3 | 77.2 | 77.2 | 100.0 | 100.0 | 100.0 |
|---|------|------|------|------|------|------|------|-------|-------|-------|

|   |      |      |      |      |      |      |       |       |       |
|---|------|------|------|------|------|------|-------|-------|-------|
| 1 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
|---|------|------|------|------|------|------|-------|-------|-------|

|    |      |      |      |      |      |      |      |       |       |       |
|----|------|------|------|------|------|------|------|-------|-------|-------|
| 12 | 99.6 | 99.3 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
|----|------|------|------|------|------|------|------|-------|-------|-------|

|      |      |      |      |      |      |      |       |       |       |
|------|------|------|------|------|------|------|-------|-------|-------|
| 99.5 | 99.3 | 99.2 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
|------|------|------|------|------|------|------|-------|-------|-------|

|   |      |      |      |      |      |      |      |       |       |       |
|---|------|------|------|------|------|------|------|-------|-------|-------|
| 2 | 97.5 | 99.3 | 99.3 | 99.9 | 99.9 | 99.9 | 99.7 | 105.2 | 109.2 | 100.2 |
|---|------|------|------|------|------|------|------|-------|-------|-------|



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM 400-HLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUMRIES AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>5 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| N3 CEIL               | 54.8                        | 50.2    | 61.3    | 61.9    | 62.0    | 62.0        | 62.0    | 62.0        | 62.0        | 62.0    |
| GE 20000              | 63.0                        | 71.3    | 72.8    | 73.4    | 74.0    | 74.0        | 74.0    | 74.0        | 74.0        | 74.0    |
| GE 18000              | 64.6                        | 72.0    | 73.4    | 74.1    | 74.7    | 74.7        | 74.7    | 74.7        | 74.7        | 74.7    |
| GE 16000              | 64.9                        | 72.3    | 73.3    | 74.3    | 75.0    | 75.0        | 75.0    | 75.0        | 75.0        | 75.0    |
| GE 14000              | 65.4                        | 72.9    | 74.7    | 75.4    | 76.1    | 76.1        | 76.1    | 76.1        | 76.1        | 76.1    |
| GE 12000              | 65.7                        | 73.6    | 75.4    | 76.2    | 77.0    | 77.0        | 77.0    | 77.0        | 77.0        | 77.0    |
| GE 10000              | 71.5                        | 80.6    | 82.4    | 83.4    | 84.2    | 84.2        | 84.2    | 84.2        | 84.2        | 84.2    |
| GE 9000               | 72.0                        | 81.1    | 83.0    | 84.0    | 84.8    | 84.8        | 84.8    | 84.8        | 84.8        | 84.8    |
| GE 8000               | 75.2                        | 84.9    | 87.0    | 88.1    | 89.0    | 89.0        | 89.0    | 89.0        | 89.0        | 89.0    |
| GE 7000               | 75.4                        | 85.1    | 87.4    | 88.7    | 89.5    | 89.5        | 89.5    | 89.5        | 89.5        | 89.5    |
| GE 6000               | 75.6                        | 85.4    | 87.5    | 89.0    | 89.9    | 89.9        | 89.9    | 89.9        | 89.9        | 89.9    |
| GE 5000               | 76.7                        | 86.2    | 89.1    | 90.3    | 91.2    | 91.2        | 91.2    | 91.2        | 91.2        | 91.2    |
| GE 4500               | 77.3                        | 87.2    | 90.2    | 91.4    | 92.3    | 92.3        | 92.3    | 92.3        | 92.3        | 92.3    |
| GE 4000               | 78.0                        | 89.6    | 91.7    | 93.2    | 94.2    | 94.2        | 94.2    | 94.2        | 94.2        | 94.2    |
| GE 3500               | 79.4                        | 90.0    | 92.3    | 93.7    | 94.3    | 94.3        | 94.3    | 94.3        | 94.3        | 94.3    |
| GE 3000               | 80.1                        | 91.0    | 93.6    | 94.9    | 96.1    | 96.1        | 96.2    | 96.2        | 96.2        | 96.2    |
| GE 2500               | 80.2                        | 91.5    | 94.3    | 95.0    | 97.2    | 97.2        | 97.3    | 97.3        | 97.3        | 97.3    |
| GE 2000               | 81.2                        | 92.4    | 95.0    | 96.0    | 98.1    | 98.1        | 98.4    | 98.4        | 98.4        | 98.4    |
| GE 1800               | 81.2                        | 92.4    | 95.0    | 96.0    | 98.1    | 98.1        | 98.4    | 98.4        | 98.4        | 98.4    |
| GE 1500               | 81.3                        | 92.8    | 95.3    | 97.2    | 98.4    | 98.4        | 98.8    | 98.8        | 98.8        | 98.8    |
| GE 1200               | 81.4                        | 92.9    | 95.4    | 97.4    | 98.7    | 98.7        | 99.0    | 99.0        | 99.0        | 99.0    |
| GE 1000               | 81.6                        | 93.0    | 95.6    | 97.5    | 98.8    | 98.8        | 99.1    | 99.1        | 99.1        | 99.1    |
| GE 900                | 81.6                        | 93.0    | 95.6    | 97.5    | 98.8    | 98.8        | 99.1    | 99.1        | 99.1        | 99.1    |
| GE 800                | 81.7                        | 93.1    | 95.7    | 97.7    | 98.9    | 98.9        | 99.2    | 99.3        | 99.3        | 99.3    |
| GE 700                | 81.7                        | 93.1    | 95.7    | 97.7    | 98.9    | 98.9        | 99.2    | 99.3        | 99.3        | 99.3    |
| GE 600                | 81.7                        | 93.1    | 95.7    | 97.7    | 98.9    | 98.9        | 99.2    | 99.3        | 99.3        | 99.3    |
| GE 500                | 81.7                        | 93.1    | 95.8    | 97.8    | 99.0    | 99.0        | 99.3    | 99.4        | 99.4        | 99.4    |
| GE 400                | 81.7                        | 93.1    | 95.8    | 97.8    | 99.0    | 99.0        | 99.3    | 99.4        | 99.4        | 99.4    |
| GE 300                | 81.7                        | 93.1    | 95.8    | 97.8    | 99.0    | 99.0        | 99.3    | 99.4        | 99.4        | 99.4    |
| GE 200                | 81.7                        | 93.1    | 95.8    | 97.8    | 99.0    | 99.0        | 99.3    | 99.4        | 99.4        | 99.4    |
| GE 100                | 81.7                        | 93.1    | 95.8    | 97.8    | 99.0    | 99.0        | 99.3    | 99.4        | 99.4        | 99.4    |

TOTAL NUMBER OF OBSERVATIONS 300

## 14

PERIOD OF RECORD: JUN 75 - MAY 88  
MONTH: JUN HOURS: 18-20

|     |    |       |       |    |     |     |     |     |     |    |
|-----|----|-------|-------|----|-----|-----|-----|-----|-----|----|
| GE  | GE | GE    | GE    | GE | GE  | GE  | GE  | GE  | GE  | GE |
| 1/2 | 2  | 1 1/2 | 1 1/4 | 1  | 3/4 | 5/6 | 1/2 | 3/5 | 1/4 | 0  |

.....

OPERATING LOCATION: MAW  
USAFSTAC, ASH-VILL NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
1800 JULY 1954

STATION NUMBER: 722270

STATION NAME: DEARBORN AFB GA  
LST TIME UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|-------------|
|                       | 57<br>7                     | 56<br>5 | 55<br>5 | 54<br>4 | 53<br>3 | 52<br>2 1/2 | 51<br>2 | 50<br>1 1/2 | 49<br>1 1/2 | 48<br>1 1/2 |
| NO CEIL               | 50.5                        | 55.3    | 65.3    | 57.0    | 57.2    | 57.2        | 57.2    | 57.2        | 57.2        | 57.2        |
| GE 20000              | 54.3                        | 74.5    | 75.2    | 77.3    | 77.5    | 77.5        | 77.5    | 77.5        | 77.5        | 77.5        |
| GE 17000              | 54.3                        | 74.5    | 75.2    | 77.3    | 77.5    | 77.5        | 77.5    | 77.5        | 77.5        | 77.5        |
| GE 16000              | 54.3                        | 74.5    | 75.2    | 77.3    | 77.5    | 77.5        | 77.5    | 77.5        | 77.5        | 77.5        |
| GE 14000              | 54.2                        | 75.3    | 77.2    | 78.7    | 78.3    | 78.5        | 79.2    | 79.2        | 79.2        | 79.2        |
| GE 12000              | 53.3                        | 75.7    | 77.5    | 79.0    | 79.2    | 79.2        | 79.5    | 79.5        | 79.5        | 79.5        |
| GE 10000              | 72.7                        | 51.3    | 33.7    | 35.2    | 35.3    | 35.3        | 35.7    | 35.7        | 35.7        | 35.7        |
| GE 9000               | 74.0                        | 31.7    | 34.0    | 35.5    | 35.7    | 35.7        | 35.9    | 35.9        | 35.9        | 35.9        |
| GE 8000               | 77.7                        | 25.7    | 23.2    | 29.7    | 29.3    | 29.2        | 29.2    | 29.2        | 29.2        | 29.2        |
| GE 7000               | 77.3                        | 25.3    | 23.5    | 29.0    | 29.2    | 29.2        | 29.5    | 29.5        | 29.5        | 29.5        |
| GE 6000               | 77.5                        | 25.3    | 21.5    | 29.0    | 29.2    | 29.2        | 29.5    | 29.5        | 29.5        | 29.5        |
| GE 5000               | 71.0                        | 25.2    | 35.5    | 30.3    | 30.5    | 30.5        | 30.5    | 30.5        | 30.5        | 30.5        |
| GE 4500               | 71.7                        | 25.7    | 32.3    | 29.5    | 31.0    | 31.0        | 31.3    | 31.3        | 31.3        | 31.3        |
| GE 4000               | 70.7                        | 27.7    | 30.5    | 22.3    | 32.5    | 32.5        | 32.3    | 32.3        | 32.3        | 32.3        |
| GE 3500               | 79.5                        | 33.0    | 29.3    | 33.0    | 35.2    | 33.2        | 33.5    | 33.5        | 33.5        | 33.5        |
| GE 3000               | 41.3                        | 29.7    | 22.5    | 24.7    | 35.0    | 35.0        | 35.5    | 35.5        | 35.5        | 35.5        |
| GE 2500               | 41.3                        | 21.2    | 23.2    | 25.3    | 25.2    | 25.3        | 25.3    | 25.5        | 25.5        | 25.5        |
| GE 2000               | 42.2                        | 21.0    | 24.0    | 27.0    | 27.5    | 27.5        | 28.3    | 28.3        | 28.3        | 28.3        |
| GE 1800               | 42.2                        | 21.0    | 24.0    | 27.0    | 27.3    | 27.7        | 27.7    | 28.7        | 28.7        | 28.7        |
| GE 1600               | 42.2                        | 21.0    | 24.0    | 27.3    | 27.7    | 27.7        | 28.7    | 28.7        | 28.7        | 28.7        |
| GE 1400               | 42.2                        | 21.0    | 24.0    | 27.3    | 27.7    | 27.7        | 28.7    | 28.7        | 28.7        | 28.7        |
| GE 1200               | 42.2                        | 21.0    | 24.0    | 27.3    | 27.7    | 27.7        | 28.7    | 28.7        | 28.7        | 28.7        |
| GE 1000               | 42.2                        | 21.0    | 24.0    | 27.3    | 27.7    | 27.7        | 28.7    | 28.7        | 28.7        | 28.7        |
| GE 900                | 42.2                        | 21.0    | 24.0    | 27.3    | 27.7    | 27.7        | 28.7    | 28.7        | 28.7        | 28.7        |
| GE 800                | 42.2                        | 21.0    | 24.0    | 27.3    | 27.7    | 27.7        | 28.7    | 28.7        | 28.7        | 28.7        |
| GE 700                | 42.2                        | 21.0    | 24.0    | 27.3    | 27.7    | 27.7        | 28.7    | 28.7        | 28.7        | 28.7        |
| GE 600                | 42.2                        | 21.0    | 24.0    | 27.3    | 27.7    | 27.7        | 28.7    | 28.7        | 28.7        | 28.7        |
| GE 500                | 42.2                        | 21.0    | 24.0    | 27.3    | 27.7    | 27.7        | 28.7    | 28.7        | 28.7        | 28.7        |
| GE 400                | 42.2                        | 21.0    | 24.0    | 27.3    | 27.7    | 27.7        | 28.7    | 28.7        | 28.7        | 28.7        |
| GE 300                | 42.2                        | 21.0    | 24.0    | 27.3    | 27.7    | 27.7        | 28.7    | 28.7        | 28.7        | 28.7        |
| GE 200                | 42.2                        | 21.0    | 24.0    | 27.3    | 27.7    | 27.7        | 28.7    | 28.7        | 28.7        | 28.7        |
| GE 100                | 42.2                        | 21.0    | 24.0    | 27.3    | 27.7    | 27.7        | 28.7    | 28.7        | 28.7        | 28.7        |
| GE 000                | 42.2                        | 21.0    | 24.0    | 27.3    | 27.7    | 27.7        | 28.7    | 28.7        | 28.7        | 28.7        |

TOTAL NUMBER OF OBSERVATIONS 600

F

## 64-47364

MONTH: JUN      DURS: 21-23

ABILITY IN STATUTE MILLS

1 - 2 - 50

B

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

GMT  
MST

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 47.5                        | 54.2    | 57.4    | 58.7    | 59.2    | 59.5        | 59.6    | 59.6        | 59.6        | 59.6    |
| GE 20000              | 53.5                        | 52.3    | 55.1    | 55.7    | 57.4    | 57.5        | 57.5    | 57.9        | 57.9        | 57.9    |
| GE 18000              | 53.5                        | 52.5    | 55.4    | 57.0    | 57.7    | 57.9        | 58.1    | 58.1        | 58.1        | 58.1    |
| GE 16000              | 53.7                        | 52.6    | 55.5    | 57.1    | 57.5    | 58.0        | 58.2    | 58.2        | 58.2        | 58.2    |
| GE 14000              | 53.9                        | 53.0    | 55.3    | 57.5    | 58.4    | 58.5        | 58.3    | 58.3        | 58.3        | 58.3    |
| GE 12000              | 54.3                        | 53.3    | 55.7    | 58.4    | 59.1    | 59.4        | 59.5    | 59.5        | 59.5        | 59.5    |
| GE 10000              | 57.8                        | 58.2    | 71.5    | 73.3    | 74.1    | 74.3        | 74.5    | 74.5        | 74.5        | 74.5    |
| GE 8000               | 58.2                        | 58.5    | 72.0    | 73.3    | 74.7    | 74.3        | 75.1    | 75.2        | 75.2        | 75.2    |
| GE 6000               | 60.5                        | 71.5    | 75.2    | 77.2    | 73.2    | 75.4        | 75.7    | 73.7        | 73.7        | 73.7    |
| GE 4000               | 61.2                        | 72.1    | 75.9    | 74.0    | 73.0    | 70.3        | 73.6    | 74.6        | 71.5        | 74.5    |
| GE 2000               | 61.2                        | 72.2    | 75.0    | 73.2    | 70.2    | 70.4        | 70.7    | 70.7        | 70.7        | 70.7    |
| GE 1000               | 62.0                        | 73.3    | 77.1    | 73.3    | 69.4    | 69.7        | 61.0    | 61.0        | 61.0        | 61.0    |
| GE 800                | 62.7                        | 73.0    | 77.3    | 69.1    | 61.2    | 61.4        | 61.7    | 61.3        | 61.3        | 61.3    |
| GE 600                | 64.0                        | 75.9    | 80.0    | 62.5    | 63.7    | 63.9        | 64.2    | 64.3        | 64.3        | 64.3    |
| GE 400                | 64.9                        | 77.0    | 81.2    | 63.8    | 65.0    | 65.3        | 65.6    | 65.7        | 65.7        | 65.7    |
| GE 200                | 65.4                        | 77.1    | 83.7    | 66.4    | 67.7    | 67.9        | 68.3    | 68.4        | 68.4        | 68.4    |
| GE 100                | 67.2                        | 80.2    | 84.3    | 67.3    | 69.1    | 69.3        | 69.7    | 69.3        | 69.3        | 69.3    |
| GE 50                 | 67.5                        | 81.3    | 86.2    | 69.4    | 70.5    | 71.1        | 71.5    | 71.7        | 71.7        | 71.7    |
| GE 25                 | 68.0                        | 81.6    | 86.5    | 69.5    | 71.2    | 71.5        | 72.0    | 72.1        | 72.1        | 72.1    |
| GE 12.5               | 68.3                        | 82.2    | 87.3    | 70.5    | 72.3    | 72.6        | 73.1    | 73.2        | 73.2        | 73.2    |
| GE 6.25               | 68.5                        | 82.7    | 88.1    | 71.5    | 73.5    | 73.8        | 74.3    | 74.5        | 74.5        | 74.5    |
| GE 3.125              | 68.8                        | 83.3    | 88.5    | 72.7    | 74.7    | 75.0        | 75.5    | 75.7        | 75.7        | 75.7    |
| GE 1.5625             | 68.9                        | 83.5    | 89.2    | 73.2    | 75.1    | 75.5        | 76.0    | 76.2        | 76.2        | 76.2    |
| GE 781.25             | 69.1                        | 83.8    | 89.6    | 73.5    | 75.5    | 76.0        | 76.5    | 76.5        | 76.5        | 76.5    |
| GE 390.625            | 69.2                        | 84.0    | 89.7    | 74.0    | 76.1    | 76.6        | 77.1    | 77.4        | 77.4        | 77.4    |
| GE 195.3125           | 69.3                        | 84.3    | 90.2    | 74.4    | 76.5    | 76.9        | 77.5    | 77.8        | 77.8        | 77.8    |
| GE 97.65625           | 69.4                        | 84.5    | 90.5    | 74.7    | 77.0    | 77.5        | 78.2    | 78.5        | 78.5        | 78.5    |
| GE 48.828125          | 69.4                        | 84.5    | 90.7    | 75.1    | 77.4    | 77.8        | 78.5    | 79.0        | 79.1        | 79.1    |
| GE 24.4140625         | 69.5                        | 84.6    | 90.8    | 75.2    | 77.5    | 78.0        | 78.5    | 79.2        | 79.3        | 79.3    |
| GE 12.20703125        | 69.5                        | 84.6    | 90.8    | 75.2    | 77.5    | 78.0        | 78.5    | 79.3        | 79.4        | 79.4    |
| GE 6.103515625        | 69.5                        | 84.6    | 90.8    | 75.2    | 77.5    | 78.0        | 78.5    | 79.3        | 79.4        | 79.4    |
| GE 3.0517578125       | 69.5                        | 84.6    | 90.8    | 75.2    | 77.5    | 78.0        | 78.5    | 79.3        | 79.4        | 79.4    |

TOTAL NUMBER OF OBSERVATIONS 5640

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AFB 3A

PERIOD OF RECORD: JUN 73 - MAY 78  
MONTH: JUN HOURS: ALL

.....  
VISIBILITY IN STATUTE MILES

| 1/2  | 3/8  | 3/4   | 1 1/4 | 1 1/2 | 1 3/4 | 2    | 2 1/4 | 2 1/2 | 2 3/4 | 3     |
|------|------|-------|-------|-------|-------|------|-------|-------|-------|-------|
| 1/2  | 2    | 1 1/2 | 1 1/4 | 1     | 3/4   | 5/8  | 1/2   | 3/8   | 1/4   | 0     |
| 60.6 | 60.6 | 60.6  | 60.6  | 60.6  | 60.7  | 60.7 | 60.7  | 60.7  | 60.7  | 60.7  |
| 67.5 | 67.5 | 67.9  | 67.9  | 67.9  | 67.9  | 67.9 | 68.0  | 68.0  | 68.0  | 68.0  |
| 68.1 | 68.1 | 68.1  | 68.1  | 68.1  | 68.2  | 68.2 | 68.2  | 68.2  | 68.2  | 68.2  |
| 68.2 | 68.2 | 68.2  | 68.2  | 68.2  | 68.3  | 68.3 | 68.3  | 68.3  | 68.3  | 68.3  |
| 68.3 | 68.3 | 68.3  | 68.3  | 68.3  | 68.9  | 68.9 | 69.0  | 69.0  | 69.0  | 69.0  |
| 69.5 | 69.5 | 69.5  | 69.5  | 69.5  | 69.7  | 69.7 | 69.7  | 69.7  | 69.7  | 69.7  |
| 74.5 | 74.5 | 74.5  | 74.5  | 74.5  | 74.5  | 74.7 | 74.7  | 74.7  | 74.7  | 74.7  |
| 75.1 | 75.1 | 75.2  | 75.2  | 75.2  | 75.2  | 75.2 | 75.3  | 75.3  | 75.3  | 75.3  |
| 75.7 | 75.7 | 75.7  | 75.7  | 75.7  | 75.8  | 75.8 | 75.8  | 75.8  | 75.8  | 75.8  |
| 79.5 | 79.5 | 79.5  | 79.5  | 79.5  | 79.7  | 79.7 | 79.7  | 79.7  | 79.7  | 79.7  |
| 79.7 | 79.7 | 79.8  | 79.8  | 79.8  | 79.9  | 79.9 | 79.9  | 79.9  | 79.9  | 79.9  |
| 81.5 | 81.5 | 81.6  | 81.6  | 81.6  | 81.6  | 81.6 | 81.6  | 81.6  | 81.6  | 81.6  |
| 81.7 | 81.7 | 81.8  | 81.8  | 81.8  | 81.8  | 81.8 | 81.9  | 81.9  | 81.9  | 81.9  |
| 84.2 | 84.2 | 84.3  | 84.3  | 84.3  | 84.3  | 84.3 | 84.4  | 84.4  | 84.4  | 84.4  |
| 85.5 | 85.5 | 85.7  | 85.7  | 85.7  | 85.7  | 85.7 | 85.8  | 85.8  | 85.8  | 85.8  |
| 88.3 | 88.3 | 88.4  | 88.4  | 88.4  | 88.5  | 88.5 | 88.5  | 88.5  | 88.5  | 88.5  |
| 89.7 | 89.7 | 89.8  | 89.8  | 89.8  | 89.9  | 89.9 | 89.9  | 89.9  | 89.9  | 89.9  |
| 91.5 | 91.5 | 91.7  | 91.7  | 91.7  | 91.8  | 91.8 | 91.9  | 91.9  | 91.9  | 91.9  |
| 92.5 | 92.5 | 92.1  | 92.1  | 92.1  | 92.2  | 92.2 | 92.3  | 92.3  | 92.3  | 92.3  |
| 93.1 | 93.1 | 93.2  | 93.2  | 93.3  | 93.3  | 93.3 | 93.4  | 93.4  | 93.4  | 93.4  |
| 94.3 | 94.3 | 94.5  | 94.5  | 94.5  | 94.5  | 94.5 | 94.7  | 94.7  | 94.7  | 94.7  |
| 95.5 | 95.5 | 95.7  | 95.7  | 95.7  | 95.8  | 95.8 | 95.9  | 95.9  | 95.9  | 95.9  |
| 96.0 | 96.0 | 96.2  | 96.2  | 96.3  | 96.3  | 96.3 | 96.4  | 96.4  | 96.4  | 96.4  |
| 96.5 | 96.5 | 96.5  | 96.5  | 96.5  | 96.9  | 96.9 | 97.0  | 97.0  | 97.0  | 97.0  |
| 97.1 | 97.1 | 97.4  | 97.4  | 97.5  | 97.5  | 97.6 | 97.6  | 97.6  | 97.6  | 97.6  |
| 97.5 | 97.5 | 97.8  | 97.8  | 97.9  | 98.0  | 98.0 | 98.0  | 98.0  | 98.0  | 98.0  |
| 98.2 | 98.2 | 98.5  | 98.5  | 98.7  | 98.8  | 98.8 | 98.9  | 98.9  | 98.9  | 98.9  |
| 98.5 | 98.5 | 98.9  | 98.9  | 99.2  | 99.3  | 99.3 | 99.4  | 99.4  | 99.4  | 99.4  |
| 98.8 | 98.8 | 99.3  | 99.3  | 99.4  | 99.6  | 99.6 | 99.7  | 99.7  | 99.7  | 99.7  |
| 99.2 | 99.2 | 99.3  | 99.4  | 99.5  | 99.7  | 99.7 | 99.8  | 99.9  | 99.9  | 99.9  |
| 99.7 | 99.7 | 99.3  | 99.4  | 99.5  | 99.7  | 99.7 | 99.8  | 99.9  | 99.9  | 100.0 |
| 99.9 | 99.9 | 99.3  | 99.4  | 99.5  | 99.7  | 99.7 | 99.8  | 99.9  | 99.9  | 100.0 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA

REF

LST TO UTC: + 5

AM

.....  
CEILING VISIBILITY IN STATUTE MILES  
IN FEET GE 7 GE 6 GE 5 GE 4 GE 3 GE 2 1/2 GE 2 GE 1 1/2 GE 1 1/4  
.....

NO CEIL

GE 20000  
GE 18000  
GE 16000  
GE 14000  
GE 12000

GE 10000  
GE 9000  
GE 8000  
GE 7000  
GE 6000

GE 5000  
GE 4500  
GE 4000  
GE 3500  
GE 3000

33.3 33.3 33.3 33.3 33.3 33.3 33.3

GE 2500 33.3 33.3 33.3 33.3 33.3 33.3 33.3  
GE 2000 33.3 33.3 33.3 33.3 33.3 33.3 33.3  
GE 1500 33.3 33.3 33.3 33.3 33.3 33.3 33.3  
GE 1000 33.3 33.3 33.3 33.3 33.3 33.3 33.3  
GE 500 33.3 33.3 100.0 100.0 100.0 100.0 100.0

GE 1000 33.3 33.3 100.0 100.0 100.0 100.0 100.0  
GE 900 33.3 33.3 100.0 100.0 100.0 100.0 100.0  
GE 800 33.3 33.3 100.0 100.0 100.0 100.0 100.0  
GE 700 33.3 33.3 100.0 100.0 100.0 100.0 100.0  
GE 600 33.3 33.3 100.0 100.0 100.0 100.0 100.0

GE 500 33.3 33.3 100.0 100.0 100.0 100.0 100.0  
GE 400 33.3 33.3 100.0 100.0 100.0 100.0 100.0  
GE 300 33.3 33.3 100.0 100.0 100.0 100.0 100.0  
GE 200 33.3 33.3 100.0 100.0 100.0 100.0 100.0  
GE 100 33.3 33.3 100.0 100.0 100.0 100.0 100.0

GE 000 33.3 33.3 100.0 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 3

## 4-2 64

MONTH: JUL HOURS: 00-02

|     |    |       |       |    |     |     |     |     |     |
|-----|----|-------|-------|----|-----|-----|-----|-----|-----|
| GE  | GE | GE    | GE    | GE | GE  | GE  | GE  | GE  | GE  |
| 1/2 | 2  | 1 1/2 | 1 1/4 | 1  | 3/4 | 5/8 | 1/2 | 3/8 | 1/4 |

0 - 2 - 52



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATION

STATION NUMBER: 722270

STATION NAME: DODDINS AFB GA

DEPT

LST TO UTC: + 5

MO

.....  
CEILING

.....  
VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| NO CEIL    | 35.7    | 43.3    | 53.3    | 62.3    | 65.4    | 65.5        | 65.7    | 65.9        | 65.9        | 66.1    |
| GE 20000   | 32.2    | 52.6    | 63.7    | 68.4    | 71.1    | 71.3        | 72.2    | 72.5        | 72.5        | 72.7    |
| GE 18000   | 33.3    | 52.6    | 63.7    | 68.4    | 71.1    | 71.3        | 72.2    | 72.5        | 72.5        | 72.7    |
| GE 16000   | 32.7    | 52.6    | 63.7    | 68.4    | 71.1    | 71.3        | 72.2    | 72.5        | 72.5        | 72.7    |
| GE 14000   | 33.3    | 52.6    | 63.7    | 68.4    | 71.1    | 71.3        | 72.2    | 72.5        | 72.5        | 72.7    |
| GE 12000   | 39.3    | 53.1    | 64.5    | 69.1    | 71.3    | 72.0        | 72.9    | 73.2        | 73.2        | 73.4    |
| GE 10000   | 40.5    | 54.9    | 67.3    | 72.5    | 75.3    | 75.9        | 76.5    | 77.4        | 77.4        | 77.7    |
| GE 9000    | 40.7    | 55.3    | 67.7    | 72.9    | 75.1    | 75.3        | 77.2    | 77.7        | 77.7        | 77.7    |
| GE 8000    | 42.2    | 55.6    | 69.1    | 74.3    | 77.6    | 77.7        | 78.6    | 79.2        | 79.2        | 79.4    |
| GE 7000    | 42.5    | 55.9    | 69.5    | 74.7    | 77.3    | 75.1        | 79.0    | 79.5        | 79.5        | 79.7    |
| GE 6000    | 42.5    | 55.9    | 69.5    | 74.7    | 77.9    | 78.1        | 79.0    | 79.5        | 79.5        | 79.7    |
| GE 5000    | 42.9    | 57.5    | 70.2    | 75.4    | 78.6    | 78.2        | 79.7    | 80.3        | 80.3        | 80.4    |
| GE 4500    | 42.7    | 57.5    | 70.2    | 75.4    | 78.6    | 78.5        | 79.7    | 80.3        | 80.3        | 80.4    |
| GE 4000    | 42.7    | 55.2    | 71.1    | 75.3    | 79.7    | 79.9        | 80.3    | 81.3        | 81.3        | 81.4    |
| GE 3500    | 42.3    | 55.2    | 71.1    | 75.3    | 79.7    | 79.7        | 80.3    | 81.3        | 81.3        | 81.4    |
| GE 3000    | 43.3    | 55.5    | 71.3    | 77.2    | 80.5    | 80.8        | 81.7    | 82.2        | 82.2        | 82.3    |
| GE 2500    | 43.4    | 57.2    | 72.4    | 77.9    | 81.3    | 81.5        | 82.6    | 83.1        | 83.1        | 83.2    |
| GE 2000    | 43.3    | 57.2    | 72.7    | 78.3    | 81.7    | 81.7        | 83.3    | 83.5        | 83.5        | 83.6    |
| GE 1800    | 43.3    | 59.2    | 72.7    | 78.3    | 81.7    | 81.9        | 83.3    | 83.8        | 83.8        | 84.0    |
| GE 1600    | 43.3    | 59.2    | 72.7    | 78.5    | 82.2    | 82.4        | 84.0    | 84.6        | 84.6        | 84.7    |
| GE 1200    | 43.8    | 59.6    | 73.2    | 79.4    | 82.9    | 83.1        | 84.7    | 85.3        | 85.3        | 85.4    |
| GE 1000    | 44.2    | 60.1    | 74.0    | 80.6    | 84.4    | 84.6        | 85.2    | 86.7        | 86.7        | 87.0    |
| GE 900     | 44.7    | 61.2    | 75.0    | 81.7    | 85.5    | 85.5        | 87.3    | 87.9        | 87.9        | 88.1    |
| GE 800     | 45.1    | 61.3    | 75.6    | 82.4    | 85.4    | 85.5        | 88.2    | 88.7        | 88.7        | 88.8    |
| GE 700     | 45.1    | 62.1    | 76.1    | 83.1    | 87.3    | 87.5        | 89.4    | 89.9        | 89.9        | 90.0    |
| GE 600     | 45.2    | 62.3    | 76.5    | 83.5    | 87.6    | 88.0        | 89.5    | 90.3        | 90.3        | 90.4    |
| GE 500     | 45.5    | 63.4    | 77.7    | 84.7    | 88.9    | 90.5        | 93.2    | 93.7        | 93.7        | 94.0    |
| GE 400     | 45.8    | 63.6    | 78.3    | 85.2    | 92.1    | 92.6        | 95.5    | 96.2        | 96.2        | 96.5    |
| GE 300     | 45.8    | 63.7    | 78.5    | 87.3    | 93.2    | 93.7        | 95.6    | 97.5        | 97.5        | 97.7    |
| GE 200     | 45.8    | 63.7    | 78.5    | 87.3    | 93.2    | 93.9        | 95.6    | 97.7        | 97.7        | 97.8    |
| GE 100     | 45.3    | 63.7    | 78.6    | 87.4    | 93.5    | 94.3        | 97.3    | 98.2        | 98.2        | 98.3    |
| GE 000     | 45.5    | 63.7    | 78.6    | 87.4    | 93.5    | 94.3        | 97.3    | 98.2        | 98.2        | 98.3    |

.....  
TOTAL NUMBER OF OBSERVATIONS 557

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AFB GA PERIOD OF RECORD: JUN 75 - MAY 83  
MONTH: JUL HOURS: 03-05

.....  
VISIBILITY IN STATUTE MILES

|       | GE<br>1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
|-------|-----------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 65.7  | 65.7      | 65.7    | 65.7        | 65.2        | 66.2    | 66.2      | 66.2      | 66.2      | 66.2      | 66.2      | 66.2    |
| 72.2  | 72.2      | 72.5    | 72.5        | 72.9        | 72.9    | 72.9      | 72.9      | 72.9      | 72.9      | 72.9      | 72.9    |
| 72.2  | 72.2      | 72.5    | 72.5        | 72.9        | 72.9    | 72.9      | 72.9      | 72.9      | 72.9      | 72.9      | 72.9    |
| 72.2  | 72.2      | 72.5    | 72.5        | 72.9        | 72.9    | 72.9      | 72.9      | 72.9      | 72.9      | 72.9      | 72.9    |
| 72.2  | 72.2      | 72.5    | 72.5        | 72.9        | 72.9    | 72.9      | 72.9      | 72.9      | 72.9      | 72.9      | 72.9    |
| 72.9  | 72.9      | 73.2    | 73.2        | 73.6        | 73.6    | 73.6      | 73.6      | 73.6      | 73.6      | 73.6      | 73.6    |
| 77.7  | 77.7      | 77.4    | 77.4        | 77.7        | 77.7    | 77.7      | 77.7      | 77.7      | 77.7      | 77.7      | 77.7    |
| 77.2  | 77.2      | 77.7    | 77.7        | 78.1        | 78.1    | 78.1      | 78.1      | 78.1      | 78.1      | 78.1      | 78.1    |
| 79.5  | 79.5      | 79.2    | 79.2        | 79.5        | 79.5    | 79.5      | 79.5      | 79.5      | 79.5      | 79.5      | 79.5    |
| 79.2  | 79.2      | 79.5    | 79.5        | 79.9        | 79.9    | 79.9      | 79.9      | 79.9      | 79.9      | 79.9      | 79.9    |
| 79.3  | 79.3      | 79.5    | 79.5        | 79.9        | 79.9    | 79.9      | 79.9      | 79.9      | 79.9      | 79.9      | 79.9    |
| 80.7  | 80.7      | 80.3    | 80.3        | 80.6        | 80.6    | 80.6      | 80.6      | 80.6      | 80.6      | 80.6      | 80.6    |
| 80.7  | 80.7      | 80.3    | 80.3        | 80.6        | 80.6    | 80.6      | 80.6      | 80.6      | 80.6      | 80.6      | 80.6    |
| 81.3  | 81.3      | 81.3    | 81.3        | 81.7        | 81.7    | 81.7      | 81.7      | 81.7      | 81.7      | 81.7      | 81.7    |
| 81.3  | 81.3      | 81.3    | 81.3        | 81.7        | 81.7    | 81.7      | 81.7      | 81.7      | 81.7      | 81.7      | 81.7    |
| 81.7  | 81.7      | 82.2    | 82.2        | 82.6        | 82.6    | 82.6      | 82.6      | 82.6      | 82.6      | 82.6      | 82.6    |
| 83.5  | 83.5      | 83.1    | 83.1        | 83.5        | 83.5    | 83.5      | 83.5      | 83.5      | 83.5      | 83.5      | 83.5    |
| 83.3  | 83.3      | 83.8    | 83.8        | 84.2        | 84.2    | 84.2      | 84.2      | 84.2      | 84.2      | 84.2      | 84.2    |
| 83.3  | 83.3      | 83.8    | 83.8        | 84.2        | 84.2    | 84.2      | 84.2      | 84.2      | 84.2      | 84.2      | 84.2    |
| 84.9  | 84.9      | 84.6    | 84.6        | 84.9        | 84.9    | 84.9      | 84.9      | 84.9      | 84.9      | 84.9      | 84.9    |
| 84.7  | 84.7      | 85.3    | 85.3        | 85.6        | 85.6    | 85.6      | 85.6      | 85.6      | 85.6      | 85.6      | 85.6    |
| 87.1  | 87.1      | 86.7    | 86.7        | 87.1        | 87.1    | 87.1      | 87.1      | 87.1      | 87.1      | 87.1      | 87.1    |
| 87.5  | 87.5      | 87.9    | 87.9        | 88.2        | 88.2    | 88.2      | 88.2      | 88.2      | 88.2      | 88.2      | 88.2    |
| 88.2  | 88.2      | 88.7    | 88.7        | 89.0        | 89.0    | 89.0      | 89.0      | 89.0      | 89.0      | 89.0      | 89.0    |
| 89.4  | 89.4      | 89.9    | 89.9        | 90.3        | 90.3    | 90.3      | 90.3      | 90.3      | 90.3      | 90.3      | 90.3    |
| 89.5  | 89.5      | 90.3    | 90.3        | 90.7        | 90.7    | 90.7      | 90.7      | 90.7      | 90.7      | 90.7      | 90.7    |
| 93.2  | 93.2      | 93.7    | 93.7        | 94.1        | 94.1    | 94.1      | 94.1      | 94.1      | 94.1      | 94.1      | 94.1    |
| 95.5  | 95.5      | 95.2    | 95.2        | 95.6        | 95.6    | 95.6      | 95.6      | 95.6      | 95.6      | 95.6      | 95.6    |
| 95.6  | 95.6      | 97.5    | 97.5        | 97.8        | 97.8    | 97.8      | 97.8      | 97.8      | 97.8      | 97.8      | 97.8    |
| 95.5  | 95.5      | 97.7    | 97.7        | 98.5        | 98.5    | 98.5      | 98.5      | 98.5      | 98.5      | 98.5      | 98.5    |
| 97.3  | 97.3      | 98.2    | 98.2        | 99.1        | 99.1    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 100.0   |
| 97.3  | 97.3      | 98.2    | 98.2        | 99.1        | 99.1    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 100.0   |
| ..... | .....     | .....   | .....       | .....       | .....   | .....     | .....     | .....     | .....     | .....     | .....   |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

PT  
470

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 27.0                        | 39.6    | 47.0    | 52.2    | 56.0    | 57.2        | 58.5    | 59.9        | 58.0        | 57.0    |
| GE 20000              | 31.6                        | 45.5    | 53.3    | 59.0    | 63.3    | 64.5        | 65.9    | 66.2        | 66.4        | 66.0    |
| GE 18000              | 31.7                        | 45.7    | 53.7    | 59.3    | 63.6    | 64.3        | 65.2    | 65.5        | 65.8        | 65.7    |
| GE 16000              | 31.7                        | 45.7    | 53.7    | 59.3    | 63.6    | 64.2        | 65.2    | 65.5        | 65.8        | 65.7    |
| GE 14000              | 32.0                        | 46.1    | 54.1    | 60.3    | 64.6    | 65.3        | 67.2    | 67.5        | 67.8        | 67.5    |
| GE 12000              | 33.0                        | 47.6    | 55.8    | 62.0    | 66.4    | 67.6        | 69.0    | 69.5        | 69.9        | 69.7    |
| GE 10000              | 34.0                        | 49.4    | 58.0    | 64.5    | 69.3    | 70.5        | 71.9    | 72.5        | 72.8        | 72.5    |
| GE 9000               | 34.0                        | 49.4    | 58.0    | 64.5    | 69.3    | 70.5        | 71.9    | 72.5        | 72.8        | 72.5    |
| GE 8000               | 35.5                        | 51.0    | 59.3    | 66.6    | 71.7    | 73.0        | 74.4    | 74.9        | 75.3        | 75.0    |
| GE 7000               | 35.6                        | 51.1    | 59.9    | 66.8    | 72.0    | 73.3        | 74.7    | 75.3        | 75.6        | 75.3    |
| GE 6000               | 35.6                        | 51.2    | 60.0    | 67.0    | 72.1    | 73.4        | 74.3    | 75.4        | 75.7        | 75.4    |
| GE 5000               | 36.1                        | 51.8    | 60.7    | 67.5    | 72.8    | 74.1        | 75.5    | 76.0        | 76.3        | 76.0    |
| GE 4500               | 36.3                        | 52.2    | 61.0    | 67.9    | 73.1    | 74.4        | 75.3    | 76.3        | 76.7        | 76.4    |
| GE 4000               | 36.3                        | 52.2    | 61.0    | 67.9    | 73.1    | 74.5        | 75.0    | 76.6        | 76.9        | 76.6    |
| GE 3500               | 36.4                        | 52.3    | 61.1    | 68.0    | 73.2    | 74.6        | 75.1    | 76.7        | 77.0        | 76.7    |
| GE 3000               | 36.5                        | 52.6    | 61.6    | 68.6    | 73.9    | 75.4        | 75.9    | 77.4        | 77.7        | 77.4    |
| GE 2500               | 36.8                        | 52.8    | 61.8    | 68.8    | 74.3    | 75.8        | 77.4    | 78.0        | 78.3        | 78.0    |
| GE 2000               | 37.3                        | 53.2    | 62.2    | 69.2    | 74.7    | 76.2        | 77.9    | 78.4        | 78.7        | 78.4    |
| GE 1800               | 37.5                        | 53.5    | 62.4    | 69.4    | 75.1    | 76.7        | 78.3    | 78.8        | 79.2        | 78.9    |
| GE 1600               | 37.6                        | 53.7    | 62.7    | 69.8    | 75.5    | 77.2        | 78.9    | 79.5        | 79.8        | 79.5    |
| GE 1200               | 38.0                        | 54.5    | 63.7    | 70.7    | 76.9    | 78.6        | 80.3    | 80.9        | 81.2        | 81.0    |
| GE 1000               | 38.6                        | 55.6    | 65.0    | 72.4    | 78.5    | 80.3        | 82.2    | 82.7        | 83.0        | 82.7    |
| GE 900                | 38.9                        | 56.0    | 65.4    | 73.0    | 79.2    | 81.0        | 82.8    | 83.5        | 83.8        | 83.5    |
| GE 800                | 38.9                        | 56.3    | 65.9    | 73.7    | 79.9    | 81.7        | 83.5    | 84.3        | 84.7        | 84.4    |
| GE 700                | 39.2                        | 57.2    | 67.4    | 75.7    | 82.7    | 84.7        | 86.3    | 87.6        | 87.9        | 87.6    |
| GE 600                | 39.3                        | 57.6    | 68.0    | 76.9    | 84.3    | 86.4        | 88.9    | 89.8        | 90.2        | 89.9    |
| GE 500                | 39.5                        | 58.3    | 69.2    | 78.5    | 85.8    | 89.1        | 91.7    | 93.0        | 93.3        | 93.0    |
| GE 400                | 39.5                        | 58.5    | 69.5    | 79.5    | 86.3    | 90.8        | 94.0    | 95.7        | 96.0        | 95.7    |
| GE 300                | 39.5                        | 58.6    | 69.7    | 80.0    | 89.1    | 91.8        | 95.4    | 97.4        | 97.7        | 97.4    |
| GE 200                | 39.5                        | 58.6    | 69.7    | 80.0    | 89.2    | 91.9        | 95.6    | 97.6        | 98.1        | 97.8    |
| GE 100                | 39.5                        | 58.6    | 69.7    | 80.0    | 89.2    | 91.9        | 95.6    | 97.6        | 98.1        | 97.8    |
| GE 000                | 39.6                        | 58.6    | 69.7    | 80.0    | 89.2    | 91.9        | 95.6    | 97.6        | 98.1        | 97.8    |

TOTAL NUMBER OF OBSERVATIONS 926

# CEILING FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

S AFB GA

PERIOD OF RECORD: JUN 78 - MAY 83

MONTH: JUL HOURS: 06-08

.....  
VISIBILITY IN STATUTE MILES

| GE<br>1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
|-----------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 7.2       | 58.5    | 58.9        | 58.9        | 58.9    | 58.9      | 58.9      | 58.9      | 58.9      | 58.9      | 58.9    |
| 8.5       | 55.2    | 55.2        | 55.4        | 55.7    | 55.7      | 55.7      | 55.7      | 55.7      | 55.7      | 55.7    |
| 9.3       | 55.2    | 55.5        | 55.5        | 57.2    | 57.2      | 57.2      | 57.2      | 57.2      | 57.2      | 57.2    |
| 9.8       | 55.2    | 55.5        | 55.5        | 57.2    | 57.2      | 57.2      | 57.2      | 57.2      | 57.2      | 57.2    |
| 10.3      | 57.2    | 57.5        | 57.5        | 58.1    | 58.1      | 58.1      | 58.1      | 58.1      | 58.1      | 58.1    |
| 10.5      | 59.0    | 59.5        | 59.9        | 70.2    | 70.2      | 70.2      | 70.2      | 70.2      | 70.2      | 70.2    |
| 11.5      | 71.9    | 72.5        | 72.5        | 73.1    | 73.1      | 73.1      | 73.1      | 73.1      | 73.1      | 73.1    |
| 12.5      | 71.9    | 72.5        | 72.5        | 73.1    | 73.1      | 73.1      | 73.1      | 73.1      | 73.1      | 73.1    |
| 13.0      | 74.4    | 74.9        | 75.3        | 75.6    | 75.6      | 75.6      | 75.6      | 75.6      | 75.6      | 75.6    |
| 13.3      | 74.7    | 75.3        | 75.5        | 75.9    | 75.9      | 75.9      | 75.9      | 75.9      | 75.9      | 75.9    |
| 13.4      | 74.3    | 75.4        | 75.7        | 75.9    | 75.9      | 75.9      | 75.9      | 75.9      | 75.9      | 75.9    |
| 14.1      | 75.5    | 76.0        | 75.3        | 75.7    | 76.7      | 76.7      | 76.7      | 76.7      | 76.7      | 76.7    |
| 14.5      | 75.3    | 75.3        | 75.7        | 77.0    | 77.0      | 77.0      | 77.0      | 77.0      | 77.0      | 77.0    |
| 14.6      | 75.2    | 76.5        | 75.7        | 77.2    | 77.2      | 77.2      | 77.2      | 77.2      | 77.2      | 77.2    |
| 14.6      | 75.1    | 76.7        | 77.0        | 77.3    | 77.3      | 77.3      | 77.3      | 77.3      | 77.3      | 77.3    |
| 15.4      | 75.9    | 77.4        | 77.5        | 78.1    | 78.1      | 78.1      | 78.1      | 78.1      | 78.1      | 78.1    |
| 15.5      | 77.4    | 78.0        | 78.3        | 78.5    | 78.5      | 78.5      | 78.5      | 78.5      | 78.5      | 78.5    |
| 15.6      | 77.9    | 78.4        | 78.7        | 79.0    | 79.0      | 79.0      | 79.0      | 79.0      | 79.0      | 79.0    |
| 15.7      | 78.3    | 78.5        | 78.2        | 79.5    | 79.5      | 79.5      | 79.5      | 79.5      | 79.5      | 79.5    |
| 17.2      | 78.9    | 79.5        | 79.8        | 80.1    | 80.1      | 80.1      | 80.1      | 80.1      | 80.1      | 80.1    |
| 18.5      | 80.3    | 80.9        | 81.2        | 81.5    | 81.5      | 81.5      | 81.5      | 81.5      | 81.5      | 81.5    |
| 19.3      | 82.2    | 82.7        | 83.0        | 83.4    | 83.4      | 83.4      | 83.4      | 83.4      | 83.4      | 83.4    |
| 21.0      | 82.3    | 83.5        | 83.5        | 84.1    | 84.1      | 84.1      | 84.1      | 84.1      | 84.1      | 84.1    |
| 21.7      | 83.5    | 84.3        | 84.7        | 85.0    | 85.0      | 85.0      | 85.0      | 85.0      | 85.0      | 85.0    |
| 24.7      | 86.8    | 87.5        | 87.9        | 88.2    | 88.2      | 88.2      | 88.2      | 88.2      | 88.2      | 88.2    |
| 25.4      | 88.9    | 89.8        | 90.2        | 90.5    | 90.5      | 90.5      | 90.5      | 90.5      | 90.5      | 90.5    |
| 26.1      | 91.7    | 93.0        | 93.3        | 93.5    | 93.6      | 93.6      | 93.6      | 93.6      | 93.6      | 93.6    |
| 26.3      | 94.0    | 95.7        | 95.9        | 96.5    | 96.5      | 96.5      | 96.5      | 96.5      | 96.5      | 96.5    |
| 27.8      | 95.4    | 97.4        | 97.7        | 98.6    | 98.6      | 98.7      | 98.7      | 98.7      | 98.7      | 98.7    |
| 28.9      | 95.5    | 97.5        | 98.1        | 98.1    | 98.4      | 98.5      | 98.5      | 98.5      | 98.8      | 98.8    |
| 29.9      | 95.5    | 97.6        | 98.1        | 99.1    | 99.4      | 99.5      | 99.6      | 99.5      | 99.9      | 100.0   |
| 31.9      | 95.5    | 97.6        | 98.1        | 99.1    | 99.4      | 99.5      | 99.6      | 99.6      | 99.9      | 100.0   |
| .....     |         |             |             |         |           |           |           |           |           |         |

OPERATING LOCATION "A"  
USAFSTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

REF  
MID

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>5 | GE<br>3 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 31.4                        | 46.1    | 52.3    | 55.9    | 57.7    | 58.1        | 58.1    | 58.1        | 58.1        | 58.1    |
| GE 20000              | 34.5                        | 50.0    | 56.5    | 60.4    | 62.5    | 62.9        | 63.4    | 63.4        | 63.4        | 63.4    |
| GE 18000              | 34.5                        | 50.3    | 55.8    | 60.3    | 62.8    | 63.2        | 63.3    | 63.8        | 63.4        | 63.4    |
| GE 16000              | 34.5                        | 50.3    | 55.8    | 60.6    | 62.4    | 63.2        | 63.5    | 63.8        | 63.4        | 63.4    |
| GE 14000              | 35.5                        | 51.4    | 58.0    | 62.2    | 64.4    | 64.8        | 65.4    | 65.4        | 65.4        | 65.4    |
| GE 12000              | 36.3                        | 52.5    | 59.1    | 63.7    | 65.9    | 66.3        | 66.9    | 66.9        | 66.9        | 66.9    |
| GE 10000              | 37.5                        | 55.5    | 62.3    | 67.5    | 70.1    | 70.5        | 71.1    | 71.1        | 71.1        | 71.1    |
| GE 9000               | 38.5                        | 55.5    | 62.3    | 67.5    | 70.1    | 70.5        | 71.1    | 71.1        | 71.1        | 71.1    |
| GE 8000               | 39.5                        | 56.9    | 63.3    | 69.0    | 71.5    | 72.0        | 72.5    | 72.5        | 72.5        | 72.5    |
| GE 7000               | 40.1                        | 57.5    | 64.7    | 70.1    | 72.9    | 73.3        | 73.9    | 73.9        | 73.9        | 73.9    |
| GE 6000               | 40.3                        | 57.7    | 64.9    | 70.3    | 73.1    | 73.5        | 74.1    | 74.1        | 74.1        | 74.1    |
| GE 5000               | 40.3                        | 58.2    | 65.4    | 70.3    | 73.5    | 74.0        | 74.5    | 74.5        | 74.5        | 74.5    |
| GE 4500               | 40.9                        | 58.3    | 65.5    | 70.9    | 73.7    | 74.1        | 74.5    | 74.5        | 74.5        | 74.5    |
| GE 4000               | 41.1                        | 58.5    | 65.3    | 71.2    | 74.2    | 74.5        | 75.2    | 75.2        | 75.2        | 75.2    |
| GE 3500               | 41.5                        | 59.1    | 66.5    | 71.5    | 74.9    | 75.4        | 75.9    | 75.9        | 75.9        | 75.9    |
| GE 3000               | 42.3                        | 61.1    | 68.4    | 73.3    | 77.0    | 77.4        | 78.0    | 78.0        | 78.0        | 78.0    |
| GE 2500               | 44.1                        | 62.9    | 70.3    | 75.3    | 79.0    | 79.5        | 80.0    | 80.0        | 80.0        | 80.0    |
| GE 2000               | 44.5                        | 64.0    | 71.4    | 76.9    | 80.4    | 80.9        | 81.4    | 81.4        | 81.4        | 81.4    |
| GE 1800               | 44.7                        | 64.2    | 71.9    | 77.3    | 80.9    | 81.3        | 81.8    | 81.8        | 81.8        | 81.8    |
| GE 1500               | 45.5                        | 65.5    | 73.3    | 79.4    | 82.9    | 83.3        | 83.9    | 83.9        | 83.9        | 83.9    |
| GE 1200               | 46.5                        | 67.4    | 76.7    | 83.2    | 86.3    | 87.2        | 87.7    | 87.7        | 87.7        | 87.7    |
| GE 1000               | 46.9                        | 68.5    | 78.3    | 85.5    | 89.4    | 89.8        | 90.3    | 90.3        | 90.3        | 90.3    |
| GE 900                | 47.0                        | 69.1    | 79.2    | 86.3    | 90.9    | 91.3        | 91.8    | 91.8        | 91.8        | 91.8    |
| GE 800                | 47.3                        | 69.5    | 79.9    | 87.3    | 92.3    | 92.3        | 93.4    | 93.4        | 93.4        | 93.4    |
| GE 700                | 47.3                        | 69.7    | 80.5    | 89.0    | 93.9    | 94.4        | 95.3    | 95.3        | 95.3        | 95.3    |
| GE 600                | 47.3                        | 69.7    | 80.5    | 89.5    | 95.2    | 95.0        | 97.2    | 97.2        | 97.2        | 97.2    |
| GE 500                | 47.3                        | 69.3    | 80.9    | 90.3    | 95.5    | 97.5        | 98.3    | 98.9        | 99.0        | 99.0    |
| GE 400                | 47.3                        | 69.8    | 80.9    | 90.5    | 97.0    | 98.2        | 99.4    | 99.8        | 99.9        | 99.9    |
| GE 300                | 47.3                        | 69.8    | 80.9    | 90.5    | 97.0    | 98.2        | 99.4    | 99.8        | 99.9        | 99.9    |
| GE 200                | 47.3                        | 69.8    | 80.9    | 90.5    | 97.0    | 98.2        | 99.4    | 99.8        | 99.9        | 99.9    |
| GE 100                | 47.3                        | 69.8    | 80.9    | 90.5    | 97.0    | 98.2        | 99.4    | 99.8        | 99.9        | 99.9    |
| GE 000                | 47.3                        | 69.8    | 80.9    | 90.5    | 97.0    | 98.2        | 99.4    | 99.8        | 99.9        | 99.9    |

TOTAL NUMBER OF OBSERVATIONS 930

MONTH: JUL HOURS: 09-11

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OPERATING LOCATION "AA"  
USAFPTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |  |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|--|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |  |
| NO CEIL               | 33.3                        | 44.5    | 43.3    | 50.2    | 51.2    | 51.4        | 51.4    | 51.4        | 51.4        |  |
| GE 20000              | 33.7                        | 51.5    | 55.3    | 53.1    | 59.4    | 59.3        | 50.1    | 50.1        | 50.1        |  |
| GE 18000              | 33.7                        | 51.9    | 55.1    | 53.4    | 59.7    | 50.1        | 50.4    | 50.4        | 50.4        |  |
| GE 16000              | 33.7                        | 51.9    | 55.1    | 53.4    | 59.7    | 50.1        | 50.4    | 50.4        | 50.4        |  |
| GE 14000              | 39.1                        | 52.5    | 55.3    | 59.2    | 50.3    | 51.3        | 51.5    | 51.5        | 51.5        |  |
| GE 12000              | 39.7                        | 53.7    | 57.5    | 50.3    | 51.3    | 52.4        | 52.7    | 52.7        | 52.7        |  |
| GE 10000              | 41.5                        | 55.3    | 50.7    | 53.5    | 55.1    | 55.5        | 50.0    | 55.0        | 55.0        |  |
| GE 9000               | 41.5                        | 55.5    | 51.1    | 53.5    | 55.3    | 55.3        | 55.2    | 55.2        | 55.2        |  |
| GE 8000               | 43.4                        | 53.7    | 53.3    | 55.0    | 57.0    | 55.1        | 55.5    | 55.5        | 55.5        |  |
| GE 7000               | 43.9                        | 59.1    | 53.9    | 55.5    | 53.1    | 55.5        | 59.0    | 50.5        | 50.5        |  |
| GE 6000               | 44.3                        | 59.5    | 54.3    | 57.1    | 53.5    | 59.1        | 59.7    | 59.7        | 59.7        |  |
| GE 5000               | 45.5                        | 51.2    | 55.3    | 53.2    | 70.4    | 71.0        | 71.5    | 71.5        | 71.5        |  |
| GE 4500               | 45.5                        | 51.4    | 55.1    | 59.1    | 71.0    | 71.5        | 72.2    | 72.2        | 72.2        |  |
| GE 4000               | 43.5                        | 54.5    | 59.5    | 72.5    | 74.5    | 75.4        | 75.0    | 75.3        | 75.3        |  |
| GE 3500               | 50.5                        | 57.3    | 72.3    | 75.1    | 73.4    | 79.1        | 73.7    | 79.7        | 79.7        |  |
| GE 3000               | 55.4                        | 73.7    | 72.0    | 55.5    | 35.0    | 25.3        | 57.3    | 37.3        | 37.3        |  |
| GE 2500               | 55.5                        | 75.5    | 52.4    | 55.0    | 33.5    | 39.2        | 40.3    | 39.3        | 39.3        |  |
| GE 2000               | 55.5                        | 75.9    | 33.9    | 57.7    | 90.4    | 91.2        | 91.5    | 91.5        | 91.5        |  |
| GE 1500               | 57.5                        | 77.2    | 34.5    | 35.5    | 91.2    | 91.9        | 92.5    | 92.5        | 92.5        |  |
| GE 1000               | 57.5                        | 75.2    | 35.1    | 90.4    | 93.1    | 93.9        | 94.5    | 94.5        | 94.5        |  |
| GE 1200               | 58.0                        | 79.1    | 37.5    | 92.3    | 95.2    | 95.0        | 95.3    | 95.3        | 95.3        |  |
| GE 1000               | 53.4                        | 72.5    | 33.1    | 92.5    | 95.3    | 96.7        | 97.4    | 97.4        | 97.4        |  |
| GE 900                | 53.4                        | 72.5    | 32.1    | 93.0    | 95.9    | 95.5        | 97.3    | 97.5        | 97.5        |  |
| GE 800                | 53.4                        | 79.3    | 33.5    | 93.5    | 95.5    | 97.4        | 93.5    | 93.5        | 93.5        |  |
| GE 700                | 53.4                        | 72.5    | 33.5    | 93.7    | 97.2    | 97.3        | 99.2    | 99.2        | 99.2        |  |
| GE 600                | 53.5                        | 73.0    | 43.7    | 94.1    | 97.2    | 93.1        | 99.5    | 99.5        | 99.5        |  |
| GE 500                | 53.5                        | 30.1    | 39.0    | 94.4    | 97.5    | 98.5        | 100.0   | 100.0       | 100.0       |  |
| GE 400                | 53.5                        | 30.1    | 39.0    | 94.4    | 97.5    | 98.5        | 100.0   | 100.0       | 100.0       |  |
| GE 300                | 53.5                        | 30.1    | 39.0    | 94.4    | 97.5    | 98.5        | 100.0   | 100.0       | 100.0       |  |
| GE 200                | 53.5                        | 30.1    | 39.0    | 94.4    | 97.5    | 98.5        | 100.0   | 100.0       | 100.0       |  |
| GE 100                | 53.5                        | 30.1    | 39.0    | 94.4    | 97.5    | 98.5        | 100.0   | 100.0       | 100.0       |  |
| GE 000                | 53.5                        | 30.1    | 39.0    | 94.4    | 97.5    | 98.5        | 100.0   | 100.0       | 100.0       |  |

TOTAL NUMBER OF OBSERVATIONS 930

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: 34 PERIOD OF RECORD: JULY 73 - MAY 80  
MONTH: JUL HOURS: 12-14

CEILING IN STATUTE MILES

| GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 51.4    | 51.4        | 51.4        | 51.4    | 51.4      | 51.4      | 51.4      | 51.4      | 51.4      | 51.4    |
| 50.1    | 50.1        | 50.1        | 50.1    | 50.1      | 50.1      | 50.1      | 50.1      | 50.1      | 50.1    |
| 50.4    | 50.4        | 50.4        | 50.4    | 50.4      | 50.4      | 50.4      | 50.4      | 50.4      | 50.4    |
| 50.4    | 50.4        | 50.4        | 50.4    | 50.4      | 50.4      | 50.4      | 50.4      | 50.4      | 50.4    |
| 51.5    | 51.5        | 51.5        | 51.5    | 51.5      | 51.5      | 51.5      | 51.5      | 51.5      | 51.5    |
| 52.7    | 52.7        | 52.7        | 52.7    | 52.7      | 52.7      | 52.7      | 52.7      | 52.7      | 52.7    |
| 55.0    | 55.0        | 55.0        | 55.0    | 55.0      | 55.0      | 55.0      | 55.0      | 55.0      | 55.0    |
| 55.2    | 55.2        | 55.2        | 55.2    | 55.2      | 55.2      | 55.2      | 55.2      | 55.2      | 55.2    |
| 55.5    | 55.5        | 55.5        | 55.5    | 55.5      | 55.5      | 55.5      | 55.5      | 55.5      | 55.5    |
| 59.0    | 59.0        | 59.0        | 59.0    | 59.0      | 59.0      | 59.0      | 59.0      | 59.0      | 59.0    |
| 59.7    | 59.7        | 59.7        | 59.7    | 59.7      | 59.7      | 59.7      | 59.7      | 59.7      | 59.7    |
| 71.5    | 71.5        | 71.5        | 71.5    | 71.5      | 71.5      | 71.5      | 71.5      | 71.5      | 71.5    |
| 72.2    | 72.2        | 72.2        | 72.2    | 72.2      | 72.2      | 72.2      | 72.2      | 72.2      | 72.2    |
| 75.9    | 75.9        | 75.9        | 75.9    | 75.9      | 75.9      | 75.9      | 75.9      | 75.9      | 75.9    |
| 79.7    | 79.7        | 79.7        | 79.7    | 79.7      | 79.7      | 79.7      | 79.7      | 79.7      | 79.7    |
| 87.3    | 87.3        | 87.3        | 87.3    | 87.3      | 87.3      | 87.3      | 87.3      | 87.3      | 87.3    |
| 89.3    | 89.3        | 89.3        | 89.3    | 89.3      | 89.3      | 89.3      | 89.3      | 89.3      | 89.3    |
| 91.5    | 91.5        | 91.5        | 91.5    | 91.5      | 91.5      | 91.5      | 91.5      | 91.5      | 91.5    |
| 92.5    | 92.5        | 92.5        | 92.5    | 92.5      | 92.5      | 92.5      | 92.5      | 92.5      | 92.5    |
| 94.5    | 94.5        | 94.5        | 94.5    | 94.5      | 94.5      | 94.5      | 94.5      | 94.5      | 94.5    |
| 95.3    | 95.3        | 95.3        | 95.3    | 95.3      | 95.3      | 95.3      | 95.3      | 95.3      | 95.3    |
| 97.4    | 97.4        | 97.4        | 97.4    | 97.4      | 97.4      | 97.4      | 97.4      | 97.4      | 97.4    |
| 97.5    | 97.5        | 97.5        | 97.5    | 97.5      | 97.5      | 97.5      | 97.5      | 97.5      | 97.5    |
| 98.5    | 98.5        | 98.5        | 98.5    | 98.5      | 98.5      | 98.5      | 98.5      | 98.5      | 98.5    |
| 99.2    | 99.2        | 99.2        | 99.2    | 99.2      | 99.2      | 99.2      | 99.2      | 99.2      | 99.2    |
| 99.5    | 99.5        | 99.5        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| 100.0   | 100.0       | 100.0       | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |



OPERATING LOCATION NAME  
USAFHAF, ASUMVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
AREA: 40000 1000000

STATION NUMBER: 722270

STATION NAME: DOBINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |      |      |      |      |       |      |       |       |
|-----------------------|-----------------------------|------|------|------|------|-------|------|-------|-------|
|                       | 7                           | 6    | 5    | 4    | 3    | 2 1/2 | 2    | 1 1/2 | 1 1/4 |
| 00 CEIL               | 37.4                        | 40.1 | 50.3 | 52.4 | 53.4 | 53.7  | 53.7 | 53.9  | 53.7  |
| 10 20000              | 40.0                        | 57.7 | 53.1 | 55.5 | 55.3 | 55.5  | 55.7 | 55.5  | 55.7  |
| 30 15000              | 48.1                        | 53.3 | 53.7 | 55.3 | 55.7 | 57.5  | 57.3 | 57.3  | 57.3  |
| 50 15000              | 44.2                        | 51.4 | 53.5 | 55.1 | 57.3 | 57.4  | 57.4 | 57.4  | 57.4  |
| 70 14000              | 45.8                        | 53.3 | 54.5 | 55.7 | 57.5 | 54.9  | 54.9 | 54.9  | 54.9  |
| 90 12000              | 43.0                        | 50.4 | 55.1 | 54.5 | 59.4 | 59.7  | 59.7 | 59.9  | 59.7  |
| 10 10000              | 50.1                        | 55.3 | 54.7 | 72.5 | 73.5 | 74.3  | 74.3 | 74.3  | 74.3  |
| 30 7000               | 50.1                        | 53.7 | 73.1 | 72.9 | 74.2 | 74.7  | 74.7 | 74.7  | 74.7  |
| 50 4000               | 51.5                        | 55.4 | 71.5 | 74.5 | 75.9 | 75.5  | 75.5 | 75.5  | 75.5  |
| 70 7000               | 51.5                        | 55.5 | 72.5 | 74.5 | 75.1 | 75.7  | 75.7 | 75.7  | 75.7  |
| 90 5000               | 51.5                        | 55.7 | 72.3 | 75.1 | 75.3 | 75.9  | 75.9 | 75.9  | 75.9  |
| 10 5000               | 52.3                        | 55.5 | 73.5 | 75.5 | 75.5 | 75.5  | 75.5 | 75.5  | 75.5  |
| 30 4000               | 53.3                        | 53.1 | 74.5 | 75.5 | 75.7 | 75.5  | 75.5 | 75.5  | 75.5  |
| 50 4000               | 55.5                        | 71.5 | 74.5 | 51.5 | 54.1 | 54.7  | 55.1 | 55.1  | 55.1  |
| 70 3000               | 55.2                        | 73.5 | 52.5 | 73.2 | 55.1 | 55.2  | 57.2 | 57.2  | 57.2  |
| 90 3000               | 59.5                        | 77.1 | 55.4 | 59.4 | 51.9 | 52.7  | 53.1 | 53.2  | 53.2  |
| 10 2000               | 59.7                        | 77.4 | 55.5 | 59.5 | 52.3 | 53.7  | 54.2 | 54.3  | 54.3  |
| 30 2000               | 59.4                        | 73.7 | 47.3 | 51.4 | 54.3 | 55.1  | 55.7 | 55.4  | 55.4  |
| 50 1500               | 50.5                        | 74.7 | 37.4 | 51.5 | 54.4 | 55.2  | 55.1 | 55.2  | 55.2  |
| 70 1500               | 51.0                        | 79.2 | 47.2 | 51.7 | 55.1 | 55.2  | 55.5 | 56.7  | 56.7  |
| 90 1200               | 51.3                        | 79.5 | 53.5 | 52.3 | 55.5 | 55.7  | 57.4 | 47.4  | 57.5  |
| 10 1000               | 51.5                        | 79.4 | 53.9 | 53.2 | 55.5 | 57.5  | 58.5 | 59.2  | 59.3  |
| 30 900                | 51.7                        | 59.1 | 53.2 | 53.5 | 55.4 | 57.5  | 58.3 | 58.5  | 59.3  |
| 50 800                | 51.7                        | 59.1 | 53.2 | 53.7 | 57.5 | 57.7  | 58.4 | 58.5  | 59.5  |
| 70 700                | 52.3                        | 59.4 | 53.6 | 54.1 | 57.5 | 58.4  | 58.1 | 58.5  | 59.5  |
| 90 500                | 52.5                        | 59.4 | 52.5 | 54.1 | 57.7 | 58.5  | 58.4 | 58.2  | 58.2  |
| 10 500                | 52.3                        | 59.4 | 53.5 | 54.1 | 57.7 | 58.5  | 58.5 | 58.4  | 58.4  |
| 30 400                | 52.3                        | 59.4 | 53.5 | 54.1 | 57.7 | 58.5  | 58.5 | 58.4  | 58.4  |
| 50 300                | 52.3                        | 59.4 | 53.5 | 54.1 | 57.7 | 58.5  | 58.5 | 58.4  | 58.4  |
| 70 200                | 52.3                        | 59.4 | 53.5 | 54.1 | 57.7 | 58.5  | 58.5 | 58.4  | 58.4  |
| 90 100                | 52.3                        | 59.4 | 53.5 | 54.1 | 57.7 | 58.5  | 58.5 | 58.4  | 58.4  |

TOTAL NUMBER OF OBSERVATIONS 927

+

1 - 2 - 37



OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FOR 24 HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: JOHNS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | GE<br>7 | GE<br>5 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
|-----------------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
| NO CEIL               | 33.6    | 45.6    | 49.8    | 52.2    | 52.9    | 53.0        | 53.0    | 53.0        | 53.0        |
| GE 20000              | 43.4    | 55.2    | 53.3    | 56.5    | 53.1    | 55.2        | 51.5    | 53.3        | 52.4        |
| GE 18000              | 43.2    | 55.7    | 54.3    | 57.0    | 53.5    | 53.7        | 51.5    | 53.3        | 52.1        |
| GE 16000              | 43.2    | 53.7    | 54.3    | 57.0    | 53.5    | 55.7        | 53.1    | 53.3        | 52.5        |
| GE 14000              | 50.0    | 59.1    | 55.5    | 53.4    | 70.0    | 70.1        | 70.2    | 70.2        | 70.2        |
| GE 12000              | 53.1    | 53.1    | 59.0    | 71.9    | 73.7    | 73.4        | 73.9    | 73.9        | 73.9        |
| GE 10000              | 55.5    | 55.9    | 73.3    | 75.9    | 73.7    | 73.3        | 73.9    | 73.9        | 75.9        |
| GE 9000               | 57.1    | 57.4    | 73.9    | 77.4    | 73.5    | 73.4        | 73.4    | 73.3        | 73.9        |
| GE 8000               | 57.2    | 70.2    | 77.5    | 81.2    | 53.3    | 53.4        | 53.7    | 53.7        | 53.7        |
| GE 7000               | 53.4    | 71.4    | 73.2    | 81.7    | 33.9    | 54.0        | 54.2    | 54.2        | 54.2        |
| GE 6000               | 50.2    | 71.5    | 73.1    | 82.5    | 34.5    | 54.7        | 54.9    | 54.9        | 54.4        |
| GE 5000               | 51.5    | 72.9    | 80.2    | 84.1    | 35.3    | 55.5        | 55.7    | 55.3        | 55.1        |
| GE 4500               | 51.1    | 73.2    | 80.3    | 84.5    | 35.9    | 57.5        | 57.2    | 57.3        | 57.5        |
| GE 4000               | 53.4    | 75.4    | 83.3    | 87.5    | 30.2    | 50.2        | 50.5    | 50.5        | 50.5        |
| GE 3500               | 54.2    | 75.2    | 84.0    | 85.4    | 30.3    | 51.0        | 51.4    | 51.5        | 51.5        |
| GE 3000               | 55.0    | 75.2    | 85.5    | 91.2    | 23.7    | 54.0        | 54.4    | 54.5        | 54.5        |
| GE 2500               | 55.2    | 73.7    | 87.3    | 91.2    | 34.4    | 54.7        | 55.2    | 55.4        | 55.4        |
| GE 2000               | 57.0    | 73.7    | 85.4    | 93.3    | 35.2    | 55.2        | 55.7    | 55.3        | 55.1        |
| GE 1800               | 57.0    | 73.7    | 83.4    | 93.3    | 35.1    | 55.2        | 55.7    | 55.4        | 55.3        |
| GE 1600               | 57.1    | 80.2    | 83.7    | 93.7    | 35.3    | 55.7        | 57.1    | 57.3        | 57.3        |
| GE 1200               | 57.5    | 80.5    | 89.4    | 94.4    | 37.1    | 57.4        | 57.5    | 58.1        | 58.1        |
| GE 1000               | 57.7    | 80.5    | 89.5    | 94.5    | 37.3    | 57.5        | 58.1    | 58.3        | 58.3        |
| GE 900                | 57.5    | 80.2    | 89.3    | 94.5    | 37.5    | 57.5        | 58.3    | 58.5        | 58.5        |
| GE 800                | 58.1    | 81.1    | 90.0    | 95.1    | 37.7    | 58.1        | 58.5    | 58.2        | 58.1        |
| GE 700                | 58.1    | 81.1    | 90.0    | 95.1    | 37.8    | 58.2        | 58.3    | 59.2        | 59.2        |
| GE 600                | 58.1    | 81.1    | 90.0    | 95.1    | 37.5    | 58.2        | 58.2    | 59.2        | 59.2        |
| GE 500                | 58.1    | 81.1    | 90.0    | 95.1    | 38.0    | 58.3        | 59.1    | 59.5        | 59.5        |
| GE 400                | 58.1    | 81.1    | 90.0    | 95.1    | 38.0    | 58.3        | 59.2    | 59.5        | 59.5        |
| GE 300                | 58.1    | 81.1    | 90.0    | 95.1    | 38.0    | 58.3        | 59.2    | 59.5        | 59.5        |
| GE 200                | 58.1    | 81.1    | 90.0    | 95.1    | 38.0    | 58.3        | 59.2    | 59.5        | 59.5        |
| GE 100                | 58.1    | 81.1    | 90.0    | 95.1    | 38.0    | 58.3        | 59.2    | 59.5        | 59.5        |
| GE 000                | 58.1    | 81.1    | 90.0    | 95.1    | 38.0    | 58.3        | 59.2    | 59.5        | 59.5        |

TOTAL NUMBER OF OBSERVATIONS 930

F

1 - 2 - 50

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
- 304 HOURLY OBSERVATIONS

STATION: 6A PERIOD OF RECORD: JUN 71 - MAY 85  
MONTH: JUL HOURS: 18-20

.....  
LITY IN STATUTE MILES

| 0    | SE<br>1 1/2 | SE<br>1 1/4 | SE<br>1 | SE<br>3/4 | SE<br>5/8 | SE<br>1/2 | SE<br>3/8 | SE<br>1/4 | SE<br>0 |
|------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 53.0 | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 54.3 | 53.3        | 54.3        | 53.3    | 52.3      | 54.3      | 53.3      | 53.3      | 54.3      | 53.3    |
| 55.3 | 53.3        | 55.3        | 53.3    | 52.3      | 53.3      | 53.3      | 53.3      | 53.3      | 53.3    |
| 56.3 | 53.3        | 55.3        | 53.3    | 53.3      | 53.3      | 53.3      | 53.3      | 53.3      | 54.3    |
| 70.2 | 70.2        | 70.2        | 70.2    | 70.2      | 70.2      | 70.2      | 70.2      | 70.2      | 70.2    |
| 73.9 | 73.9        | 73.9        | 73.9    | 73.9      | 73.9      | 73.9      | 73.9      | 73.9      | 73.9    |
| 74.9 | 73.9        | 74.9        | 73.9    | 72.9      | 74.9      | 73.9      | 74.9      | 73.9      | 74.9    |
| 75.9 | 73.9        | 73.9        | 73.9    | 73.9      | 73.9      | 73.9      | 73.9      | 73.9      | 73.9    |
| 83.7 | 83.7        | 83.7        | 83.7    | 83.7      | 83.7      | 83.7      | 83.7      | 83.7      | 83.7    |
| 84.2 | 84.2        | 84.2        | 84.2    | 84.2      | 84.2      | 84.2      | 84.2      | 84.2      | 84.2    |
| 84.9 | 84.2        | 84.9        | 84.9    | 84.9      | 84.9      | 84.9      | 84.9      | 84.9      | 84.9    |
| 85.7 | 85.3        | 85.7        | 85.3    | 85.3      | 85.3      | 85.3      | 85.3      | 85.3      | 85.3    |
| 87.3 | 87.3        | 87.3        | 87.3    | 87.3      | 87.3      | 87.3      | 87.3      | 87.3      | 87.3    |
| 90.3 | 90.3        | 90.3        | 90.3    | 90.3      | 90.3      | 90.3      | 90.3      | 90.3      | 90.3    |
| 91.4 | 91.5        | 91.5        | 91.7    | 91.7      | 91.7      | 91.7      | 91.7      | 91.7      | 91.7    |
| 94.4 | 94.5        | 94.5        | 94.7    | 94.7      | 94.7      | 94.7      | 94.7      | 94.7      | 94.7    |
| 95.2 | 95.4        | 95.4        | 95.5    | 95.5      | 95.5      | 95.5      | 95.5      | 95.5      | 95.5    |
| 96.7 | 95.7        | 95.7        | 97.0    | 97.0      | 97.0      | 97.0      | 97.0      | 97.0      | 97.0    |
| 96.7 | 95.4        | 95.7        | 97.0    | 97.0      | 97.0      | 97.0      | 97.0      | 97.0      | 97.0    |
| 97.1 | 97.3        | 97.3        | 97.5    | 97.5      | 97.5      | 97.5      | 97.5      | 97.5      | 97.5    |
| 97.1 | 94.1        | 93.1        | 94.3    | 94.3      | 94.3      | 94.3      | 94.3      | 94.3      | 94.3    |
| 98.1 | 93.3        | 93.3        | 93.5    | 93.5      | 93.5      | 93.5      | 93.5      | 93.5      | 93.5    |
| 98.5 | 93.5        | 93.5        | 94.5    | 93.3      | 93.5      | 93.5      | 93.5      | 93.3      | 93.3    |
| 98.5 | 93.7        | 93.7        | 93.1    | 93.1      | 93.1      | 93.1      | 93.1      | 93.1      | 93.1    |
| 99.2 | 99.2        | 99.2        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| 99.7 | 99.2        | 99.2        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| 99.1 | 99.5        | 99.5        | 99.9    | 99.9      | 99.9      | 99.9      | 99.9      | 99.9      | 99.9    |
| 99.2 | 99.5        | 99.5        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| 99.2 | 99.5        | 99.5        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| 99.2 | 99.5        | 99.5        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| 99.2 | 99.5        | 99.5        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| 99.7 | 99.5        | 99.5        | 100.0   | 100.0     | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |

OPERATING LOCATION "A"  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: JOHNS AFB GA

LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 43.2                        | 50.2    | 55.7    | 58.4    | 59.1    | 59.1        | 59.1    | 59.1        | 59.1        |
| GE 20000              | 40.9                        | 59.1    | 55.5    | 58.5    | 70.3    | 70.3        | 70.3    | 70.3        | 70.3        |
| GE 18000              | 40.9                        | 59.1    | 55.5    | 58.5    | 70.3    | 70.3        | 70.3    | 70.3        | 70.3        |
| GE 16000              | 40.9                        | 59.1    | 55.5    | 58.5    | 70.3    | 70.3        | 70.3    | 70.3        | 70.3        |
| GE 14000              | 51.4                        | 50.5    | 65.9    | 70.1    | 71.9    | 71.9        | 71.9    | 71.9        | 71.9        |
| GE 12000              | 53.9                        | 53.2    | 69.7    | 73.2    | 75.0    | 75.0        | 75.0    | 75.0        | 75.0        |
| GE 10000              | 54.2                        | 55.0    | 73.0    | 77.0    | 79.1    | 79.1        | 79.1    | 79.1        | 79.1        |
| GE 9000               | 55.3                        | 55.5    | 73.7    | 77.7    | 79.8    | 80.1        | 80.1    | 80.1        | 80.1        |
| GE 8000               | 55.3                        | 55.5    | 75.5    | 79.5    | 81.7    | 82.0        | 82.0    | 82.0        | 82.0        |
| GE 7000               | 55.5                        | 59.5    | 75.5    | 80.5    | 82.7    | 83.0        | 83.0    | 83.0        | 83.0        |
| GE 6000               | 55.5                        | 59.5    | 75.5    | 80.5    | 82.7    | 83.0        | 83.0    | 83.0        | 83.0        |
| GE 5000               | 59.4                        | 70.5    | 77.5    | 81.9    | 84.3    | 84.5        | 84.5    | 84.5        | 84.5        |
| GE 4500               | 59.9                        | 70.9    | 79.0    | 82.3    | 84.5    | 85.1        | 85.1    | 85.1        | 85.1        |
| GE 4000               | 62.1                        | 73.7    | 81.1    | 85.7    | 88.1    | 88.4        | 88.4    | 88.4        | 88.4        |
| GE 3500               | 62.5                        | 74.5    | 82.2    | 86.4    | 89.2    | 89.5        | 89.5    | 89.5        | 89.5        |
| GE 3000               | 64.0                        | 75.2    | 84.9    | 89.7    | 92.1    | 92.5        | 92.5    | 92.5        | 92.5        |
| GE 2500               | 64.5                        | 77.4    | 86.2    | 91.2    | 93.5    | 93.9        | 93.9    | 93.9        | 93.9        |
| GE 2000               | 65.0                        | 77.5    | 87.2    | 92.5    | 94.9    | 95.2        | 95.3    | 95.3        | 95.3        |
| GE 1800               | 65.2                        | 77.7    | 87.3    | 92.5    | 95.0    | 95.3        | 95.5    | 95.5        | 95.5        |
| GE 1600               | 65.4                        | 78.2    | 88.3    | 93.5    | 95.0    | 95.3        | 95.5    | 95.5        | 95.5        |
| GE 1400               | 65.3                        | 78.5    | 88.9    | 94.2    | 95.5    | 97.0        | 97.1    | 97.1        | 97.1        |
| GE 1000               | 65.3                        | 79.3    | 89.7    | 95.0    | 97.4    | 97.9        | 97.9    | 97.9        | 97.9        |
| GE 900                | 65.3                        | 79.3    | 89.7    | 95.0    | 97.4    | 97.9        | 97.9    | 98.2        | 98.2        |
| GE 800                | 65.5                        | 79.5    | 90.0    | 95.3    | 97.5    | 98.2        | 98.4    | 98.7        | 98.7        |
| GE 700                | 65.5                        | 79.5    | 90.2    | 95.5    | 97.9    | 98.5        | 98.7    | 99.0        | 99.0        |
| GE 600                | 65.5                        | 79.5    | 90.2    | 95.5    | 97.7    | 98.5        | 98.7    | 99.0        | 99.0        |
| GE 500                | 65.5                        | 79.5    | 90.5    | 95.5    | 98.2    | 99.0        | 99.2    | 99.7        | 99.7        |
| GE 400                | 65.5                        | 79.5    | 90.5    | 95.5    | 98.4    | 99.2        | 99.5    | 100.0       | 100.0       |
| GE 300                | 65.5                        | 79.5    | 90.5    | 95.5    | 98.4    | 99.2        | 99.5    | 100.0       | 100.0       |
| GE 200                | 65.5                        | 79.5    | 90.5    | 95.5    | 98.4    | 99.2        | 99.5    | 100.0       | 100.0       |
| GE 100                | 65.5                        | 79.5    | 90.5    | 95.5    | 98.4    | 99.2        | 99.5    | 100.0       | 100.0       |
| GE 000                | 65.5                        | 79.5    | 90.5    | 95.5    | 98.4    | 99.2        | 99.5    | 100.0       | 100.0       |

TOTAL NUMBER OF OBSERVATIONS 623

F

0 - 2 - 59

## 54

DISTANCE IN STATUTE MILES

1 - 2 - 53

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

PERIOD  
MONTH

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |             |         |           |           |           |            |            |
|-----------------------|-----------------------------|---------|---------|-------------|---------|-----------|-----------|-----------|------------|------------|
|                       | GE<br>7                     | GE<br>5 | GE<br>3 | GE<br>1 1/2 | GE<br>1 | GE<br>1/2 | GE<br>1/4 | GE<br>1/8 | GE<br>1/16 | GE<br>1/32 |
| NO CEIL               | 34.8                        | 45.4    | 51.1    | 54.2        | 55.8    | 56.2      | 56.4      | 56.5      | 56.5       | 56.5       |
| GE 20000              | 40.7                        | 53.3    | 59.7    | 63.2        | 65.2    | 65.7      | 65.1      | 65.2      | 65.3       | 65.3       |
| GE 18000              | 40.9                        | 53.5    | 60.0    | 63.5        | 65.5    | 66.0      | 65.5      | 65.5      | 65.5       | 65.5       |
| GE 16000              | 41.0                        | 53.5    | 60.1    | 63.5        | 65.5    | 66.0      | 65.5      | 65.5      | 65.5       | 65.5       |
| GE 14000              | 41.5                        | 54.3    | 60.9    | 64.5        | 65.5    | 67.1      | 67.6      | 67.6      | 67.7       | 67.7       |
| GE 12000              | 43.0                        | 56.1    | 62.7    | 66.5        | 68.5    | 69.1      | 69.5      | 69.7      | 69.7       | 69.7       |
| GE 10000              | 45.1                        | 56.8    | 65.9    | 70.1        | 72.5    | 73.1      | 73.5      | 73.7      | 73.7       | 73.7       |
| GE 9000               | 45.3                        | 59.0    | 66.2    | 70.4        | 72.9    | 73.4      | 73.9      | 74.1      | 74.1       | 74.1       |
| GE 8000               | 46.9                        | 61.0    | 68.3    | 72.5        | 75.1    | 75.7      | 76.2      | 76.3      | 76.3       | 76.3       |
| GE 7000               | 47.3                        | 61.4    | 68.5    | 73.2        | 75.7    | 76.3      | 76.8      | 76.9      | 76.9       | 77.0       |
| GE 6000               | 47.4                        | 61.7    | 69.1    | 73.4        | 75.9    | 76.5      | 77.1      | 77.2      | 77.3       | 77.3       |
| GE 5000               | 48.1                        | 62.5    | 70.1    | 74.5        | 77.3    | 77.8      | 78.3      | 78.5      | 78.5       | 78.5       |
| GE 4500               | 48.4                        | 63.0    | 70.5    | 75.1        | 77.9    | 78.4      | 78.9      | 79.1      | 79.1       | 79.1       |
| GE 4000               | 49.8                        | 64.8    | 72.5    | 77.2        | 80.2    | 80.8      | 81.4      | 81.5      | 81.5       | 81.5       |
| GE 3500               | 50.5                        | 65.3    | 73.8    | 78.5        | 81.5    | 82.1      | 82.7      | 82.9      | 82.9       | 82.9       |
| GE 3000               | 52.5                        | 68.4    | 75.3    | 81.2        | 84.9    | 85.5      | 86.2      | 86.4      | 86.4       | 86.4       |
| GE 2500               | 53.1                        | 69.3    | 75.0    | 83.0        | 85.2    | 85.9      | 87.0      | 87.7      | 87.8       | 87.8       |
| GE 2000               | 53.5                        | 70.1    | 79.0    | 84.1        | 87.4    | 88.1      | 88.9      | 89.1      | 89.1       | 89.1       |
| GE 1800               | 53.7                        | 70.3    | 79.2    | 84.4        | 87.7    | 88.4      | 89.2      | 89.3      | 89.4       | 89.4       |
| GE 1600               | 54.0                        | 70.9    | 80.0    | 85.3        | 88.7    | 89.4      | 90.3      | 90.5      | 90.5       | 90.5       |
| GE 1200               | 54.5                        | 71.7    | 81.3    | 86.2        | 90.4    | 91.1      | 91.9      | 92.1      | 92.1       | 92.1       |
| GE 1000               | 54.9                        | 72.3    | 82.1    | 87.3        | 91.5    | 92.2      | 93.0      | 93.2      | 93.3       | 93.3       |
| GE 900                | 55.0                        | 72.7    | 82.5    | 88.4        | 92.0    | 92.7      | 93.5      | 93.9      | 93.9       | 93.9       |
| GE 800                | 55.2                        | 72.9    | 82.5    | 88.9        | 92.5    | 93.4      | 94.3      | 94.5      | 94.7       | 94.7       |
| GE 700                | 55.3                        | 73.2    | 83.3    | 89.5        | 93.5    | 94.4      | 95.5      | 95.9      | 95.9       | 95.9       |
| GE 600                | 55.3                        | 73.3    | 83.5    | 89.9        | 94.2    | 95.1      | 96.3      | 96.7      | 96.7       | 96.7       |
| GE 500                | 55.4                        | 73.5    | 83.9    | 90.5        | 95.1    | 96.1      | 97.5      | 98.0      | 98.0       | 98.0       |
| GE 400                | 55.4                        | 73.5    | 84.0    | 90.9        | 95.7    | 96.7      | 98.3      | 98.7      | 98.7       | 98.7       |
| GE 300                | 55.4                        | 73.5    | 84.0    | 91.0        | 95.9    | 97.0      | 98.5      | 99.2      | 99.3       | 99.3       |
| GE 200                | 55.4                        | 73.5    | 84.0    | 91.0        | 95.9    | 97.0      | 98.5      | 99.3      | 99.4       | 99.4       |
| GE 100                | 55.4                        | 73.5    | 84.1    | 91.1        | 96.0    | 97.0      | 98.7      | 99.3      | 99.4       | 99.4       |
| GE 000                | 55.4                        | 73.5    | 84.1    | 91.1        | 96.0    | 97.0      | 98.7      | 99.3      | 99.4       | 99.4       |

TOTAL NUMBER OF OBSERVATIONS 5829

A

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: 3A PERIOD OF RECORD: JUN 73 - MAY 78  
MONTH: JUL HOURS: ALL

| .....                 |             |             |         |           |           |           |           |           |         |
|-----------------------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| FEET IN STATUTE MILES |             |             |         |           |           |           |           |           |         |
| GE<br>2               | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/5 | GE<br>1/4 | GE<br>0 |
| .....                 |             |             |         |           |           |           |           |           |         |
| 55.4                  | 55.5        | 55.5        | 55.5    | 55.5      | 55.5      | 55.5      | 55.5      | 55.5      | 55.5    |
| 55.1                  | 55.2        | 55.3        | 55.3    | 55.3      | 55.3      | 55.3      | 55.3      | 55.3      | 55.3    |
| 55.5                  | 55.5        | 55.5        | 55.7    | 55.7      | 55.7      | 55.7      | 55.7      | 55.7      | 55.7    |
| 55.5                  | 55.5        | 55.5        | 55.7    | 55.7      | 55.7      | 55.7      | 55.7      | 55.7      | 55.7    |
| 57.5                  | 57.5        | 57.7        | 57.3    | 57.3      | 57.3      | 57.3      | 57.3      | 57.3      | 57.3    |
| 59.5                  | 59.7        | 59.7        | 59.3    | 59.3      | 59.3      | 59.3      | 59.3      | 59.3      | 59.3    |
| 73.5                  | 73.7        | 73.7        | 73.3    | 73.3      | 73.3      | 73.3      | 73.3      | 73.3      | 73.3    |
| 73.9                  | 74.1        | 74.1        | 74.2    | 74.2      | 74.2      | 74.2      | 74.2      | 74.2      | 74.2    |
| 75.2                  | 75.3        | 75.3        | 75.4    | 75.4      | 75.4      | 75.4      | 75.4      | 75.4      | 75.4    |
| 75.7                  | 75.9        | 75.9        | 77.0    | 77.0      | 77.0      | 77.0      | 77.0      | 77.0      | 77.0    |
| 77.1                  | 77.2        | 77.3        | 77.3    | 77.3      | 77.3      | 77.3      | 77.3      | 77.3      | 77.3    |
| 79.3                  | 79.5        | 79.5        | 79.5    | 79.5      | 79.5      | 79.5      | 79.5      | 79.5      | 79.5    |
| 79.9                  | 79.1        | 79.1        | 79.2    | 79.2      | 79.2      | 79.2      | 79.2      | 79.2      | 79.2    |
| 81.4                  | 81.5        | 81.5        | 81.7    | 81.7      | 81.7      | 81.7      | 81.7      | 81.7      | 81.7    |
| 82.7                  | 82.9        | 82.9        | 83.0    | 83.0      | 83.0      | 83.0      | 83.0      | 83.0      | 83.0    |
| 85.2                  | 85.4        | 85.4        | 85.5    | 85.5      | 85.5      | 85.5      | 85.5      | 85.5      | 85.5    |
| 87.5                  | 87.7        | 87.3        | 87.9    | 87.9      | 87.9      | 87.9      | 87.9      | 87.9      | 87.9    |
| 89.7                  | 89.1        | 89.1        | 89.2    | 89.2      | 89.2      | 89.2      | 89.2      | 89.2      | 89.2    |
| 89.2                  | 89.3        | 89.4        | 89.5    | 89.5      | 89.5      | 89.5      | 89.5      | 89.5      | 89.5    |
| 90.3                  | 90.5        | 90.5        | 90.5    | 90.5      | 90.5      | 90.5      | 90.7      | 90.7      | 90.7    |
| 91.3                  | 92.1        | 92.1        | 92.3    | 92.3      | 92.3      | 92.3      | 92.3      | 92.3      | 92.3    |
| 93.7                  | 93.2        | 93.3        | 93.4    | 93.4      | 93.4      | 93.4      | 93.4      | 93.4      | 93.4    |
| 93.5                  | 93.9        | 93.9        | 94.0    | 94.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0    |
| 94.3                  | 94.5        | 94.7        | 94.3    | 94.3      | 94.3      | 94.3      | 94.3      | 94.3      | 94.3    |
| 95.5                  | 95.9        | 95.9        | 95.1    | 95.1      | 95.1      | 95.1      | 95.1      | 95.1      | 95.1    |
| 95.3                  | 95.7        | 95.7        | 95.9    | 95.9      | 95.9      | 95.9      | 95.9      | 95.9      | 95.9    |
| 97.5                  | 95.9        | 95.9        | 93.2    | 93.2      | 93.2      | 93.2      | 93.2      | 93.2      | 93.2    |
| 95.3                  | 95.5        | 95.9        | 99.1    | 99.1      | 99.1      | 99.1      | 99.1      | 99.1      | 99.1    |
| 95.5                  | 99.2        | 99.3        | 99.5    | 99.5      | 99.5      | 99.5      | 99.5      | 99.5      | 99.5    |
| 95.5                  | 99.3        | 99.4        | 99.7    | 99.7      | 99.3      | 99.3      | 99.3      | 99.3      | 99.3    |
| 95.7                  | 99.3        | 99.4        | 99.5    | 99.5      | 99.3      | 99.3      | 99.3      | 99.3      | 100.0   |
| 95.7                  | 99.3        | 99.4        | 99.3    | 99.3      | 99.3      | 99.3      | 99.9      | 99.9      | 100.0   |
| .....                 |             |             |         |           |           |           |           |           |         |



OPERATING LOCATION "A"  
 WSAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VISIBLE  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DODDINS AFB GA  
 LST TO UTC: + 5

PERIOD OF RECORD:  
 MONTH: AUG 1955

| CEILING<br>IN<br>FEET | GE<br>7 | GE<br>5 | GE<br>3 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>1/2 |
|-----------------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|
|-----------------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|

NO CEIL

GE 20000  
 GE 18000  
 GE 16000  
 GE 14000  
 GE 12000

GE 10000  
 GE 8000  
 GE 6000  
 GE 4000  
 GE 2000

GE 1000  
 GE 800  
 GE 600  
 GE 400  
 GE 200

GE 100  
 GE 80  
 GE 60  
 GE 40  
 GE 20

GE 10  
 GE 8  
 GE 6  
 GE 4  
 GE 2

GE 1  
 GE 0.5  
 GE 0.25  
 GE 0.125  
 GE 0.0625

GE 0.03125

TOTAL NUMBER OF OBSERVATIONS

F

1 - 2 - 51

PERIOD OF RECORD: JUN 73 - MAY 75  
MONTH: AUG HOURS: 00-02

|   | GE | GE    | GE    | GE | GE  | GE  | GE  | GE  | GE  |
|---|----|-------|-------|----|-----|-----|-----|-----|-----|
| 2 | 2  | 1 1/2 | 1 1/4 | 1  | 3/4 | 5/8 | 1/2 | 3/8 | 1/4 |

1 - 2 - 3

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

DATE  
TIME

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 30.1                        | 39.2    | 46.2    | 54.2    | 59.2    | 60.5        | 60.8    | 61.4        | 61.4        | 61.4    |
| GE 20000              | 32.4                        | 42.6    | 51.5    | 60.5    | 65.2    | 67.4        | 67.3    | 68.3        | 68.3        | 68.3    |
| GE 18000              | 32.4                        | 42.6    | 51.5    | 60.5    | 65.2    | 67.4        | 67.3    | 68.3        | 68.3        | 68.3    |
| GE 16000              | 32.4                        | 42.6    | 51.5    | 60.5    | 65.2    | 67.4        | 67.3    | 68.3        | 68.3        | 68.3    |
| GE 14000              | 32.6                        | 42.9    | 51.9    | 61.2    | 66.7    | 68.0        | 68.3    | 68.9        | 68.9        | 68.9    |
| GE 12000              | 32.6                        | 43.1    | 52.4    | 61.7    | 67.4    | 68.7        | 69.1    | 69.6        | 69.6        | 69.6    |
| GE 10000              | 33.2                        | 44.4    | 54.4    | 64.0    | 70.3    | 71.6        | 71.7    | 72.6        | 72.6        | 72.6    |
| GE 9000               | 34.5                        | 45.1    | 55.1    | 64.3    | 71.0    | 72.3        | 72.6    | 73.2        | 73.2        | 73.2    |
| GE 8000               | 35.4                        | 45.3    | 55.5    | 65.5    | 73.0    | 74.2        | 74.5    | 75.1        | 75.1        | 75.1    |
| GE 7000               | 35.6                        | 45.5    | 55.9    | 65.9    | 73.3    | 74.6        | 75.0    | 75.5        | 75.5        | 75.5    |
| GE 6000               | 35.3                        | 45.7    | 57.1    | 67.1    | 73.5    | 74.8        | 75.1    | 75.7        | 75.7        | 75.7    |
| GE 5000               | 35.7                        | 47.2    | 58.3    | 68.3    | 74.8    | 76.0        | 76.4    | 76.9        | 76.9        | 76.9    |
| GE 4500               | 37.2                        | 48.5    | 59.0    | 69.1    | 75.5    | 76.7        | 77.1    | 77.6        | 77.6        | 77.6    |
| GE 4000               | 37.9                        | 49.2    | 60.1    | 70.3    | 75.7    | 76.2        | 76.9    | 77.4        | 77.4        | 77.4    |
| GE 3500               | 38.5                        | 49.4    | 60.5    | 71.0    | 77.5    | 78.0        | 78.5    | 80.1        | 80.1        | 80.1    |
| GE 3000               | 39.4                        | 50.3    | 62.1    | 72.5    | 79.2    | 80.7        | 81.5    | 82.1        | 82.1        | 82.1    |
| GE 2500               | 39.7                        | 51.3    | 62.5    | 73.2    | 79.4    | 81.2        | 82.1    | 82.6        | 82.6        | 82.6    |
| GE 2000               | 40.5                        | 52.4    | 63.7    | 74.5    | 81.2    | 82.5        | 83.7    | 84.3        | 84.3        | 84.3    |
| GE 1800               | 40.5                        | 52.4    | 63.7    | 74.5    | 81.2    | 82.3        | 83.7    | 84.3        | 84.3        | 84.3    |
| GE 1500               | 41.1                        | 53.1    | 64.6    | 75.7    | 82.3    | 83.9        | 84.3    | 85.3        | 85.3        | 85.3    |
| GE 1200               | 41.3                        | 53.5    | 65.5    | 77.5    | 84.4    | 85.0        | 85.9    | 87.5        | 87.5        | 87.5    |
| GE 1000               | 41.7                        | 54.4    | 66.0    | 78.2    | 85.0    | 85.5        | 87.3    | 88.4        | 88.4        | 88.4    |
| GE 900                | 41.7                        | 54.5    | 66.4    | 78.5    | 85.9    | 87.5        | 88.7    | 89.3        | 89.3        | 89.3    |
| GE 800                | 42.4                        | 55.5    | 67.5    | 80.1    | 87.5    | 88.1        | 89.5    | 91.1        | 91.1        | 91.1    |
| GE 700                | 42.3                        | 55.0    | 68.5    | 81.2    | 88.5    | 89.2        | 91.5    | 92.1        | 92.1        | 92.1    |
| GE 600                | 42.9                        | 55.5    | 69.4    | 82.1    | 90.0    | 91.5        | 93.0    | 93.6        | 93.6        | 93.6    |
| GE 500                | 43.1                        | 55.7    | 70.3    | 83.4    | 91.4    | 93.0        | 94.5    | 95.2        | 95.2        | 95.2    |
| GE 400                | 43.1                        | 57.1    | 70.7    | 84.3    | 92.3    | 93.9        | 95.5    | 96.1        | 96.1        | 96.1    |
| GE 300                | 43.1                        | 57.1    | 70.7    | 84.3    | 92.7    | 94.5        | 95.1    | 96.6        | 96.6        | 96.6    |
| GE 200                | 43.1                        | 57.1    | 70.7    | 84.5    | 93.4    | 95.2        | 97.0    | 98.2        | 98.2        | 98.2    |
| GE 100                | 43.1                        | 57.1    | 70.7    | 84.5    | 93.4    | 95.2        | 97.0    | 98.2        | 98.2        | 98.2    |
| GE 000                | 43.1                        | 57.1    | 70.7    | 84.5    | 93.4    | 95.2        | 97.0    | 98.2        | 98.2        | 98.2    |

TOTAL NUMBER OF OBSERVATIONS 559

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: 34 PERIOD OF RECORD: JUN 73 - MAY 74  
MONTH: AUG HOURS: 03-05

| .....                    |      |       |       |      |      |      |      |       |       |
|--------------------------|------|-------|-------|------|------|------|------|-------|-------|
| CEILING IN STATUTE MILES |      |       |       |      |      |      |      |       |       |
| 0                        | 50   | 50    | 50    | 50   | 50   | 50   | 50   | 50    | 50    |
| 0                        | 1    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/4   | 1/4   |
| .....                    |      |       |       |      |      |      |      |       |       |
| 60.0                     | 61.4 | 61.4  | 61.5  | 61.5 | 61.5 | 61.5 | 61.5 | 61.5  | 61.5  |
| 67.3                     | 68.3 | 68.3  | 68.5  | 68.5 | 68.5 | 68.5 | 68.5 | 68.5  | 68.5  |
| 67.3                     | 68.3 | 68.3  | 68.5  | 68.5 | 68.5 | 68.5 | 68.5 | 68.5  | 68.5  |
| 67.3                     | 68.3 | 68.3  | 68.5  | 68.5 | 68.5 | 68.5 | 68.5 | 68.5  | 68.5  |
| 68.3                     | 69.3 | 69.3  | 69.1  | 69.1 | 69.1 | 69.1 | 69.1 | 69.1  | 69.1  |
| 69.1                     | 69.6 | 69.6  | 69.3  | 69.3 | 69.3 | 69.3 | 69.3 | 69.3  | 69.3  |
| 71.0                     | 72.5 | 72.5  | 72.5  | 72.5 | 72.5 | 72.5 | 72.5 | 72.5  | 72.5  |
| 72.5                     | 73.2 | 73.2  | 73.3  | 73.3 | 73.3 | 73.3 | 73.3 | 73.3  | 73.3  |
| 73.2                     | 75.1 | 75.1  | 75.3  | 75.3 | 75.3 | 75.3 | 75.3 | 75.3  | 75.3  |
| 75.0                     | 75.5 | 75.5  | 75.7  | 75.7 | 75.7 | 75.7 | 75.7 | 75.7  | 75.7  |
| 75.1                     | 75.7 | 75.7  | 75.5  | 75.5 | 75.5 | 75.5 | 75.5 | 75.5  | 75.5  |
| 75.4                     | 75.9 | 75.9  | 77.1  | 77.1 | 77.1 | 77.1 | 77.1 | 77.1  | 77.1  |
| 77.1                     | 77.5 | 77.5  | 77.5  | 77.5 | 77.5 | 77.5 | 77.5 | 77.5  | 77.5  |
| 77.5                     | 77.4 | 77.4  | 77.5  | 77.5 | 77.5 | 77.5 | 77.5 | 77.5  | 77.5  |
| 77.5                     | 80.1 | 80.1  | 80.3  | 80.3 | 80.3 | 80.3 | 80.3 | 80.3  | 80.3  |
| 81.5                     | 82.1 | 82.1  | 82.3  | 82.3 | 82.3 | 82.3 | 82.3 | 82.3  | 82.3  |
| 82.1                     | 82.5 | 82.5  | 82.3  | 82.3 | 82.3 | 82.3 | 82.3 | 82.3  | 82.3  |
| 82.7                     | 84.3 | 84.3  | 84.4  | 84.4 | 84.4 | 84.4 | 84.4 | 84.4  | 84.4  |
| 84.7                     | 84.3 | 84.3  | 84.4  | 84.4 | 84.4 | 84.4 | 84.4 | 84.4  | 84.4  |
| 84.3                     | 85.3 | 85.3  | 85.5  | 85.5 | 85.5 | 85.5 | 85.5 | 85.5  | 85.5  |
| 85.7                     | 87.5 | 87.5  | 87.7  | 87.7 | 87.7 | 87.7 | 87.7 | 87.7  | 87.7  |
| 87.3                     | 88.4 | 88.4  | 88.5  | 88.5 | 88.5 | 88.5 | 88.5 | 88.5  | 88.5  |
| 88.7                     | 89.3 | 89.3  | 89.4  | 89.4 | 89.4 | 89.4 | 89.4 | 89.4  | 89.4  |
| 89.5                     | 91.1 | 91.1  | 91.2  | 91.4 | 91.4 | 91.4 | 91.4 | 91.4  | 91.4  |
| 91.5                     | 92.1 | 92.1  | 92.3  | 92.7 | 92.7 | 92.7 | 92.7 | 92.7  | 92.7  |
| 93.0                     | 93.5 | 93.5  | 93.7  | 94.3 | 94.3 | 94.3 | 94.3 | 94.3  | 94.3  |
| 94.5                     | 95.2 | 95.2  | 95.3  | 95.9 | 95.9 | 95.9 | 95.9 | 95.9  | 95.9  |
| 95.5                     | 96.1 | 96.1  | 96.2  | 96.3 | 96.3 | 96.3 | 96.3 | 96.3  | 96.3  |
| 96.1                     | 96.5 | 96.5  | 96.3  | 97.3 | 97.3 | 97.3 | 97.3 | 97.3  | 97.3  |
| 97.0                     | 98.2 | 98.2  | 98.5  | 99.1 | 99.1 | 99.3 | 99.3 | 99.3  | 99.3  |
| 97.3                     | 98.2 | 98.2  | 98.7  | 99.3 | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 |
| 97.3                     | 98.2 | 98.2  | 98.7  | 99.3 | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 |
| .....                    |      |       |       |      |      |      |      |       |       |

OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DODDINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 20.2                        | 29.2    | 33.3    | 40.4    | 47.4    | 49.9        | 51.3    | 53.0        | 55.2        |
| GE 20000              | 22.7                        | 32.5    | 34.3    | 45.5    | 53.3    | 55.2        | 54.2    | 59.4        | 59.5        |
| GE 18000              | 22.7                        | 32.9    | 35.4    | 45.9    | 53.9    | 55.3        | 51.7    | 59.9        | 59.1        |
| GE 16000              | 22.7                        | 32.9    | 33.4    | 45.9    | 53.9    | 55.4        | 55.7    | 59.9        | 59.1        |
| GE 14000              | 22.7                        | 33.0    | 35.5    | 45.1    | 54.2    | 57.1        | 59.0    | 59.2        | 59.4        |
| GE 12000              | 22.9                        | 33.7    | 39.5    | 47.2    | 55.5    | 52.4        | 59.5    | 61.7        | 51.9        |
| GE 10000              | 24.3                        | 35.4    | 41.3    | 45.2    | 53.3    | 61.5        | 54.1    | 57.3        | 55.5        |
| GE 9000               | 24.7                        | 35.1    | 42.0    | 50.0    | 59.9    | 62.5        | 54.5    | 59.9        | 55.2        |
| GE 8000               | 25.5                        | 37.5    | 44.7    | 52.5    | 62.2    | 59.8        | 53.2    | 59.4        | 59.5        |
| GE 7000               | 25.2                        | 35.3    | 45.5    | 53.5    | 62.2    | 55.1        | 58.9    | 70.1        | 70.3        |
| GE 6000               | 25.2                        | 35.5    | 45.8    | 54.0    | 63.3    | 55.5        | 59.4    | 70.5        | 70.5        |
| GE 5000               | 25.9                        | 39.5    | 45.7    | 55.2    | 64.7    | 54.0        | 70.9    | 72.0        | 70.5        |
| GE 4500               | 27.4                        | 40.0    | 47.3    | 55.9    | 55.5    | 55.9        | 72.0    | 73.2        | 73.4        |
| GE 4000               | 27.5                        | 40.2    | 47.3    | 55.5    | 55.9    | 59.9        | 72.5    | 73.9        | 74.9        |
| GE 3500               | 23.1                        | 41.0    | 48.4    | 57.5    | 67.1    | 70.5        | 73.3    | 74.9        | 75.2        |
| GE 3000               | 25.3                        | 41.2    | 49.1    | 55.2    | 55.2    | 71.7        | 74.5    | 75.9        | 75.2        |
| GE 2500               | 29.5                        | 42.5    | 50.3    | 59.9    | 70.9    | 73.5        | 75.7    | 77.9        | 75.1        |
| GE 2000               | 29.7                        | 43.0    | 51.3    | 59.5    | 70.5    | 74.2        | 77.4    | 73.5        | 73.5        |
| GE 1500               | 29.9                        | 43.2    | 51.5    | 59.3    | 70.9    | 74.4        | 77.5    | 73.5        | 73.9        |
| GE 1000               | 30.0                        | 43.4    | 51.3    | 61.3    | 71.4    | 74.9        | 73.2    | 79.4        | 79.5        |
| GE 800                | 30.2                        | 43.5    | 52.5    | 62.2    | 72.7    | 75.2        | 79.5    | 80.5        | 80.3        |
| GE 700                | 30.9                        | 45.1    | 54.0    | 53.3    | 74.4    | 75.0        | 81.3    | 82.5        | 82.7        |
| GE 600                | 31.0                        | 45.2    | 54.4    | 54.4    | 75.5    | 79.0        | 82.5    | 83.7        | 83.9        |
| GE 500                | 31.5                        | 45.9    | 55.3    | 55.5    | 77.1    | 80.9        | 84.3    | 85.5        | 85.7        |
| GE 400                | 31.7                        | 45.2    | 55.1    | 56.7    | 73.4    | 82.3        | 85.8    | 87.1        | 87.3        |
| GE 300                | 31.3                        | 46.5    | 55.7    | 57.5    | 72.7    | 83.5        | 87.4    | 88.9        | 89.1        |
| GE 200                | 32.3                        | 47.4    | 55.1    | 59.7    | 82.2    | 85.1        | 90.2    | 91.9        | 92.3        |
| GE 150                | 32.4                        | 47.5    | 55.4    | 70.3    | 83.4    | 87.5        | 91.5    | 93.8        | 94.1        |
| GE 100                | 32.4                        | 47.5    | 55.5    | 70.4    | 84.0    | 88.3        | 92.7    | 94.3        | 95.4        |
| GE 50                 | 32.4                        | 47.5    | 53.5    | 70.4    | 84.2    | 83.5        | 93.3    | 95.9        | 95.5        |
| GE 20                 | 32.4                        | 47.5    | 53.5    | 70.4    | 84.2    | 83.5        | 93.3    | 95.9        | 95.5        |

TOTAL NUMBER OF OBSERVATIONS 330

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

3 64 PERIOD OF RECORD: JUN 73 - MAY 74  
MONTH: AUG HOURS: 05-08

.....  
ITY IN STATUTE MILES

| 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/8  | 1/4  | 0     |
|------|-------|-------|------|------|------|------|------|------|-------|
| 53.0 | 53.0  | 53.2  | 53.3 | 53.9 | 53.9 | 54.1 | 54.2 | 54.5 | 54.5  |
| 54.2 | 59.4  | 59.5  | 59.1 | 59.3 | 59.3 | 59.5 | 59.5 | 59.0 | 59.0  |
| 59.7 | 59.9  | 59.1  | 59.5 | 59.9 | 59.9 | 59.1 | 59.2 | 59.5 | 59.5  |
| 59.7 | 59.9  | 59.1  | 59.5 | 59.9 | 59.9 | 59.1 | 59.2 | 59.5 | 59.5  |
| 59.2 | 59.2  | 59.4  | 59.0 | 59.2 | 59.2 | 59.4 | 59.5 | 59.3 | 59.3  |
| 59.5 | 59.7  | 59.9  | 59.5 | 59.7 | 59.7 | 59.9 | 59.9 | 59.3 | 59.3  |
| 59.1 | 59.3  | 59.5  | 59.0 | 59.2 | 59.2 | 59.5 | 59.5 | 59.9 | 59.9  |
| 59.1 | 59.9  | 59.2  | 59.4 | 59.7 | 59.7 | 59.2 | 59.3 | 59.5 | 59.5  |
| 59.2 | 59.4  | 59.5  | 59.1 | 59.5 | 59.5 | 59.5 | 59.5 | 59.0 | 59.0  |
| 59.5 | 59.1  | 59.3  | 59.3 | 59.1 | 59.1 | 59.3 | 59.4 | 59.7 | 59.7  |
| 59.6 | 59.5  | 59.5  | 59.3 | 59.5 | 59.5 | 59.7 | 59.3 | 59.2 | 59.2  |
| 70.0 | 72.0  | 72.5  | 72.1 | 73.0 | 73.0 | 73.2 | 73.3 | 73.7 | 73.7  |
| 73.1 | 73.2  | 73.4  | 73.0 | 74.2 | 74.2 | 74.4 | 74.5 | 74.3 | 74.3  |
| 73.9 | 73.1  | 74.0  | 74.5 | 74.7 | 74.7 | 74.9 | 75.1 | 75.4 | 75.4  |
| 73.1 | 74.0  | 75.2  | 75.7 | 75.3 | 75.3 | 75.1 | 75.2 | 75.5 | 75.5  |
| 74.5 | 75.3  | 75.2  | 75.5 | 77.0 | 77.0 | 77.2 | 77.3 | 77.5 | 77.5  |
| 75.7 | 77.2  | 75.1  | 73.5 | 73.8 | 73.8 | 73.0 | 73.1 | 73.5 | 73.5  |
| 77.5 | 73.5  | 73.5  | 74.4 | 77.5 | 77.5 | 74.5 | 73.3 | 73.2 | 73.2  |
| 77.5 | 73.5  | 73.0  | 74.5 | 77.8 | 77.8 | 73.7 | 73.1 | 73.4 | 73.4  |
| 77.2 | 77.4  | 77.5  | 80.1 | 80.3 | 80.3 | 80.5 | 80.5 | 81.0 | 81.0  |
| 77.7 | 80.5  | 80.2  | 81.4 | 81.5 | 81.5 | 81.2 | 81.2 | 82.3 | 82.3  |
| 81.3 | 82.5  | 82.7  | 83.2 | 83.4 | 83.4 | 83.7 | 83.3 | 84.1 | 84.1  |
| 82.9 | 83.7  | 83.2  | 84.5 | 84.7 | 84.7 | 84.9 | 84.1 | 85.4 | 85.4  |
| 84.3 | 85.5  | 85.7  | 86.5 | 86.7 | 86.7 | 86.9 | 87.0 | 87.3 | 87.3  |
| 86.8 | 87.1  | 87.3  | 88.1 | 88.5 | 88.5 | 88.5 | 88.5 | 89.0 | 89.0  |
| 87.4 | 88.2  | 88.1  | 88.9 | 89.1 | 89.1 | 89.3 | 89.4 | 89.8 | 89.8  |
| 89.2 | 91.0  | 92.3  | 93.0 | 93.3 | 93.3 | 93.7 | 93.8 | 94.1 | 94.2  |
| 91.5 | 94.8  | 94.1  | 94.9 | 95.3 | 95.3 | 95.5 | 95.7 | 95.0 | 95.1  |
| 93.7 | 94.0  | 95.4  | 96.5 | 97.0 | 97.0 | 97.4 | 97.5 | 98.0 | 98.1  |
| 93.3 | 95.9  | 95.5  | 97.7 | 98.2 | 98.2 | 98.2 | 98.5 | 99.0 | 99.0  |
| 93.3 | 95.9  | 95.5  | 97.7 | 98.2 | 98.2 | 98.9 | 98.5 | 99.0 | 100.0 |
| 95.3 | 95.9  | 96.5  | 97.7 | 98.2 | 98.2 | 98.9 | 98.5 | 99.0 | 100.0 |

OPERATING LOCATION: "A"  
 USAF/FAA, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 OF WEATHER

STATION NUMBER: 72270

STATION NAME: DOWNS AFB GA  
 EST TO UTC: + 5

| CEILING    |      | VISIBILITY IN STATUTE MILES |      |      |      |       |      |       |       |      |
|------------|------|-----------------------------|------|------|------|-------|------|-------|-------|------|
| IN<br>FEET | 500  | 1000                        | 1500 | 2000 | 2500 | 3000  | 3500 | 4000  | 4500  | 5000 |
| 500        | 7    | 5                           | 3    | 4    | 3    | 2 1/2 | 2    | 1 1/2 | 1 1/4 |      |
| NO CEIL    | 26.9 | 40.1                        | 46.8 | 51.6 | 54.5 | 54.7  | 54.7 | 54.7  | 54.7  |      |
| 50 10000   | 22.3 | 43.4                        | 51.3 | 55.2 | 59.4 | 59.5  | 59.5 | 59.5  | 59.5  |      |
| 50 15000   | 22.7 | 43.9                        | 51.2 | 56.7 | 59.3 | 59.1  | 59.1 | 59.1  | 59.1  |      |
| 50 16000   | 22.9 | 44.0                        | 51.3 | 56.8 | 59.1 | 59.2  | 59.1 | 59.2  | 59.2  |      |
| 50 14000   | 30.2 | 44.4                        | 51.3 | 57.3 | 59.5 | 59.3  | 59.3 | 59.3  | 59.3  |      |
| 50 12000   | 30.8 | 45.4                        | 52.5 | 56.3 | 59.3 | 59.7  | 59.7 | 59.7  | 59.7  |      |
| 50 10000   | 33.3 | 46.6                        | 55.5 | 58.3 | 59.5 | 59.2  | 59.2 | 59.2  | 59.2  |      |
| 50 8000    | 35.6 | 48.7                        | 56.5 | 58.9 | 59.2 | 59.1  | 59.1 | 59.1  | 59.1  |      |
| 50 7000    | 36.1 | 51.3                        | 56.4 | 59.2 | 59.2 | 59.3  | 59.3 | 59.3  | 59.3  |      |
| 50 7000    | 36.1 | 51.4                        | 59.5 | 58.5 | 59.7 | 59.2  | 59.2 | 59.2  | 59.2  |      |
| 50 6000    | 36.5 | 51.7                        | 59.2 | 59.7 | 59.1 | 59.4  | 59.4 | 59.4  | 59.4  |      |
| 50 5000    | 36.9 | 51.5                        | 58.3 | 59.1 | 59.2 | 59.3  | 59.3 | 59.3  | 59.3  |      |
| 50 4000    | 36.1 | 52.5                        | 59.3 | 59.5 | 59.5 | 59.3  | 59.3 | 59.3  | 59.3  |      |
| 50 4000    | 37.1 | 54.3                        | 59.2 | 59.4 | 59.5 | 59.5  | 59.5 | 59.5  | 59.5  |      |
| 50 3000    | 37.1 | 55.2                        | 64.1 | 70.1 | 74.2 | 74.5  | 74.5 | 74.5  | 74.5  |      |
| 50 3000    | 36.5 | 57.5                        | 66.1 | 73.1 | 77.5 | 77.1  | 77.1 | 77.1  | 77.1  |      |
| 50 2000    | 41.3 | 63.2                        | 69.4 | 75.1 | 79.4 | 81.1  | 81.1 | 81.1  | 81.1  |      |
| 50 1500    | 43.4 | 62.5                        | 72.7 | 79.4 | 84.1 | 84.3  | 84.3 | 84.3  | 84.3  |      |
| 50 1500    | 43.7 | 63.2                        | 73.1 | 79.7 | 84.3 | 84.3  | 84.3 | 84.3  | 84.3  |      |
| 50 1500    | 44.5 | 64.2                        | 75.1 | 81.3 | 85.9 | 87.2  | 87.2 | 87.2  | 87.2  |      |
| 50 1200    | 45.1 | 67.3                        | 77.7 | 85.2 | 91.3 | 91.3  | 91.3 | 91.4  | 91.4  |      |
| 50 1000    | 46.3 | 67.5                        | 78.1 | 79.3 | 92.1 | 93.2  | 93.3 | 93.4  | 93.4  |      |
| 50 900     | 46.1 | 69.0                        | 73.5 | 77.7 | 93.1 | 94.1  | 94.3 | 94.5  | 94.5  |      |
| 50 800     | 46.8 | 68.4                        | 78.3 | 80.7 | 94.5 | 95.2  | 95.7 | 95.9  | 95.9  |      |
| 50 700     | 46.5 | 68.5                        | 80.5 | 82.1 | 95.1 | 95.5  | 95.5 | 95.7  | 95.7  |      |
| 50 600     | 46.7 | 68.7                        | 80.7 | 83.3 | 95.3 | 97.7  | 98.1 | 98.1  | 98.1  |      |
| 50 500     | 46.1 | 68.1                        | 81.1 | 85.7 | 96.7 | 97.4  | 97.5 | 97.5  | 97.5  |      |
| 50 400     | 46.6 | 68.1                        | 81.2 | 86.5 | 97.1 | 97.3  | 97.3 | 97.5  | 97.5  |      |
| 50 400     | 46.1 | 68.7                        | 81.2 | 89.6 | 97.1 | 97.1  | 97.2 | 97.7  | 97.7  |      |
| 50 300     | 46.2 | 68.3                        | 81.2 | 90.8 | 97.1 | 97.1  | 97.2 | 97.7  | 97.7  |      |
| 50 100     | 46.3 | 68.9                        | 81.2 | 90.9 | 97.1 | 97.1  | 97.2 | 97.7  | 97.7  |      |
| 50 100     | 46.1 | 68.2                        | 81.1 | 90.5 | 97.1 | 97.1  | 97.2 | 97.7  | 97.7  |      |

TOTAL NUMBER OF OBSERVATIONS: 330

TRENDENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

DATA 54

PERIOD OF RECORD: JUN 78 - MAY 79  
MONTH: AUG HOURS: 00-11

CEILING IN STATUTE MILES

| 1/2   | 1     | 1 1/2 | 1 1/4 | 1     | 3/4   | 5/8   | 1/2   | 3/8   | 1/4   | 0     |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 54.7  | 54.7  | 54.7  | 54.7  | 54.7  | 54.7  | 54.7  | 54.7  | 54.7  | 54.7  | 54.7  |
| 59.5  | 59.5  | 59.5  | 59.5  | 59.5  | 59.5  | 59.5  | 59.5  | 59.5  | 59.5  | 59.5  |
| 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  | 59.1  |
| 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  | 59.2  |
| 59.3  | 59.3  | 59.3  | 59.3  | 59.3  | 59.3  | 59.3  | 59.3  | 59.3  | 59.3  | 59.3  |
| 61.7  | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  | 61.7  |
| 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  | 65.2  |
| 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  | 66.5  |
| 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  | 69.5  |
| 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  | 70.2  |
| 70.4  | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  |
| 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  | 70.5  |
| 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  |
| 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  | 71.5  |
| 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  | 72.5  |
| 74.5  | 74.5  | 74.5  | 74.5  | 74.5  | 74.5  | 74.5  | 74.5  | 74.5  | 74.5  | 74.5  |
| 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  | 77.5  |
| 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  | 80.3  |
| 84.3  | 84.3  | 84.3  | 84.3  | 84.3  | 84.3  | 84.3  | 84.3  | 84.3  | 84.3  | 84.3  |
| 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  | 84.5  |
| 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  | 87.2  |
| 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  | 91.4  |
| 93.4  | 93.4  | 93.4  | 93.4  | 93.4  | 93.4  | 93.4  | 93.4  | 93.4  | 93.4  | 93.4  |
| 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  | 94.5  |
| 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  | 95.9  |
| 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  | 96.7  |
| 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  |
| 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  | 99.5  |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 |
| 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 |
| 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 | 100.9 |
| 101.0 | 101.0 | 101.0 | 101.0 | 101.0 | 101.0 | 101.0 | 101.0 | 101.0 | 101.0 | 101.0 |



OPERATING LOCATION "A"  
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
- 100 HOURS OBSERVATION

STATION NUMBER: 722270

STATION NAME: DODDING AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |

|          |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|
| NO CEIL  | 30.6 | 39.5 | 44.0 | 46.1 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| GE 20000 | 35.6 | 45.7 | 52.0 | 55.2 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| GE 18000 | 35.7 | 45.9 | 52.3 | 55.4 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| GE 16000 | 35.9 | 46.1 | 52.5 | 55.6 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 |
| GE 14000 | 36.2 | 46.9 | 53.3 | 56.5 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| GE 12000 | 36.3 | 49.7 | 55.1 | 59.4 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 |
| GE 10000 | 41.2 | 53.2 | 59.1 | 63.3 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| GE 9000  | 41.3 | 53.5 | 60.4 | 63.7 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| GE 8000  | 43.2 | 55.5 | 62.5 | 65.8 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| GE 7000  | 43.7 | 55.9 | 62.9 | 66.1 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| GE 6000  | 43.8 | 56.0 | 63.0 | 66.2 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| GE 5000  | 44.5 | 57.0 | 64.0 | 67.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| GE 4500  | 45.5 | 57.8 | 64.9 | 68.7 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| GE 4000  | 50.5 | 63.7 | 71.4 | 75.3 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| GE 3500  | 53.7 | 67.5 | 75.7 | 80.0 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 3000  | 57.7 | 71.5 | 80.9 | 85.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| GE 2500  | 61.3 | 74.2 | 84.1 | 88.8 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 2000  | 61.1 | 77.0 | 87.2 | 92.2 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 1800  | 61.7 | 77.7 | 88.0 | 93.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 1600  | 62.4 | 78.5 | 89.4 | 94.5 | 97.0 | 97.2 | 97.3 | 97.3 | 97.3 |
| GE 1200  | 62.5 | 78.5 | 89.5 | 94.4 | 97.1 | 97.1 | 97.3 | 97.3 | 97.4 |
| GE 1000  | 62.7 | 79.0 | 89.3 | 95.5 | 98.3 | 98.3 | 98.7 | 98.7 | 98.8 |
| GE 800   | 62.7 | 79.0 | 89.3 | 95.5 | 98.4 | 98.4 | 98.7 | 98.7 | 98.8 |
| GE 700   | 62.7 | 79.0 | 89.3 | 95.5 | 98.4 | 98.4 | 98.7 | 98.7 | 98.8 |
| GE 600   | 62.7 | 79.0 | 89.3 | 95.5 | 98.4 | 98.4 | 98.7 | 98.7 | 98.8 |
| GE 500   | 62.7 | 79.0 | 89.3 | 95.5 | 98.4 | 98.4 | 98.7 | 98.7 | 98.8 |
| GE 400   | 62.7 | 79.0 | 89.3 | 95.5 | 98.4 | 98.4 | 98.7 | 98.7 | 98.8 |
| GE 300   | 62.7 | 79.0 | 89.3 | 95.5 | 98.4 | 98.4 | 98.7 | 98.7 | 98.8 |
| GE 200   | 62.7 | 79.0 | 89.3 | 95.5 | 98.4 | 98.4 | 98.7 | 98.7 | 98.8 |
| GE 100   | 62.7 | 79.0 | 89.3 | 95.5 | 98.4 | 98.4 | 98.7 | 98.7 | 98.8 |

TOTAL FREQUENCY OF OBSERVATION: 230

PERIOD OF RECORD: JUL 73 - MAY 84  
MONTH: AUG HOURS: 12-14

| CITY IN STATUTE MILES |      |       |      |      |      |       |       |       |       |
|-----------------------|------|-------|------|------|------|-------|-------|-------|-------|
| 0                     | 1/2  | 1 1/4 | 1    | 3/4  | 5/8  | 1/2   | 3/8   | 1/4   | 0     |
| 47.5                  | 47.5 | 47.5  | 47.5 | 47.5 | 47.5 | 47.5  | 47.5  | 47.5  | 47.5  |
| 55.5                  | 55.5 | 55.5  | 55.5 | 55.5 | 55.5 | 55.5  | 55.5  | 55.5  | 55.5  |
| 55.5                  | 55.5 | 55.5  | 55.5 | 55.5 | 55.5 | 55.5  | 55.5  | 55.5  | 55.5  |
| 57.0                  | 57.0 | 57.0  | 57.0 | 57.0 | 57.0 | 57.0  | 57.0  | 57.0  | 57.0  |
| 57.3                  | 57.3 | 57.3  | 57.3 | 57.3 | 57.3 | 57.3  | 57.3  | 57.3  | 57.3  |
| 59.8                  | 59.8 | 59.8  | 59.8 | 59.8 | 59.8 | 59.8  | 59.8  | 59.8  | 59.8  |
| 59.2                  | 59.2 | 59.2  | 59.2 | 59.2 | 59.2 | 59.2  | 59.2  | 59.2  | 59.2  |
| 59.5                  | 59.5 | 59.5  | 59.5 | 59.5 | 59.5 | 59.5  | 59.5  | 59.5  | 59.5  |
| 61.0                  | 61.0 | 61.0  | 61.0 | 61.0 | 61.0 | 61.0  | 61.0  | 61.0  | 61.0  |
| 61.4                  | 61.4 | 61.4  | 61.4 | 61.4 | 61.4 | 61.4  | 61.4  | 61.4  | 61.4  |
| 63.5                  | 63.5 | 63.5  | 63.5 | 63.5 | 63.5 | 63.5  | 63.5  | 63.5  | 63.5  |
| 67.5                  | 67.5 | 67.5  | 67.5 | 67.5 | 67.5 | 67.5  | 67.5  | 67.5  | 67.5  |
| 70.5                  | 70.5 | 70.5  | 70.5 | 70.5 | 70.5 | 70.5  | 70.5  | 70.5  | 70.5  |
| 77.2                  | 77.2 | 77.2  | 77.2 | 77.2 | 77.2 | 77.2  | 77.2  | 77.2  | 77.2  |
| 82.2                  | 82.2 | 82.2  | 82.2 | 82.2 | 82.2 | 82.2  | 82.2  | 82.2  | 82.2  |
| 83.1                  | 83.1 | 83.1  | 83.1 | 83.1 | 83.1 | 83.1  | 83.1  | 83.1  | 83.1  |
| 91.5                  | 91.5 | 91.5  | 91.5 | 91.5 | 91.5 | 91.5  | 91.5  | 91.5  | 91.5  |
| 94.9                  | 94.9 | 94.9  | 94.9 | 94.9 | 94.9 | 95.1  | 95.1  | 95.1  | 95.1  |
| 95.3                  | 95.3 | 95.3  | 95.3 | 95.3 | 95.3 | 95.9  | 95.9  | 95.9  | 95.9  |
| 97.3                  | 97.3 | 97.3  | 97.3 | 97.3 | 97.3 | 97.4  | 97.4  | 97.4  | 97.4  |
| 98.5                  | 98.5 | 98.4  | 98.4 | 98.4 | 98.4 | 98.5  | 98.5  | 98.5  | 98.5  |
| 98.7                  | 98.7 | 98.3  | 98.3 | 98.3 | 98.3 | 98.9  | 98.9  | 98.9  | 98.9  |
| 98.9                  | 98.9 | 98.9  | 98.9 | 98.9 | 98.9 | 99.0  | 99.0  | 99.0  | 99.0  |
| 99.0                  | 99.0 | 99.0  | 99.0 | 99.0 | 99.0 | 99.0  | 99.0  | 99.0  | 99.0  |
| 99.1                  | 99.1 | 99.2  | 99.2 | 99.2 | 99.2 | 99.4  | 99.4  | 99.4  | 99.4  |
| 99.4                  | 99.4 | 99.5  | 99.5 | 99.5 | 99.5 | 99.5  | 99.5  | 99.5  | 99.5  |
| 99.5                  | 99.5 | 99.5  | 99.5 | 99.5 | 99.5 | 99.7  | 99.7  | 99.7  | 99.7  |
| 99.5                  | 99.5 | 99.9  | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| 99.5                  | 99.5 | 99.9  | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| 99.5                  | 99.5 | 99.9  | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| 99.5                  | 99.5 | 99.9  | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| 99.5                  | 99.5 | 99.9  | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

OPERATING LOCATION "AW"  
USAFHAF, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOUR 1300 ZAT 14

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>5 | GE<br>3 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 31.3                        | 43.0    | 46.6    | 49.7    | 50.1    | 50.1        | 50.1    | 50.1        | 50.1        | 50.1    |
| GE 20000              | 40.5                        | 53.5    | 53.5    | 52.0    | 52.2    | 52.3        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 18000              | 41.3                        | 54.3    | 53.5    | 52.9    | 53.7    | 53.7        | 53.7    | 53.7        | 53.7        | 53.7    |
| GE 16000              | 41.3                        | 54.3    | 53.5    | 52.9    | 53.7    | 53.7        | 53.7    | 53.7        | 53.7        | 53.7    |
| GE 14000              | 42.2                        | 55.5    | 50.2    | 54.2    | 54.9    | 54.9        | 54.9    | 54.9        | 54.9        | 54.9    |
| GE 12000              | 44.4                        | 53.5    | 53.7    | 57.1    | 57.8    | 57.9        | 57.9    | 57.9        | 57.9        | 57.9    |
| GE 10000              | 50.2                        | 55.2    | 71.1    | 74.5    | 75.7    | 75.7        | 75.7    | 75.7        | 75.7        | 75.7    |
| GE 9000               | 50.4                        | 55.4    | 71.3    | 74.5    | 75.9    | 75.9        | 75.9    | 75.9        | 75.9        | 75.9    |
| GE 8000               | 52.9                        | 54.1    | 74.1    | 77.5    | 73.5    | 74.5        | 74.5    | 74.5        | 74.5        | 74.5    |
| GE 7000               | 53.5                        | 54.8    | 74.9    | 74.5    | 73.7    | 72.7        | 72.7    | 72.7        | 72.7        | 72.7    |
| GE 6000               | 53.9                        | 59.1    | 75.3    | 74.5    | 70.0    | 70.0        | 70.0    | 70.0        | 70.0        | 70.0    |
| GE 5000               | 54.1                        | 59.7    | 75.9    | 79.5    | 80.6    | 80.6        | 80.6    | 80.6        | 80.6        | 80.6    |
| GE 4500               | 54.5                        | 70.5    | 75.9    | 81.0    | 82.3    | 82.3        | 82.3    | 82.3        | 82.3        | 82.3    |
| GE 4000               | 54.4                        | 75.4    | 82.3    | 87.1    | 83.7    | 86.7        | 86.7    | 86.7        | 86.7        | 86.7    |
| GE 3500               | 59.3                        | 74.3    | 85.0    | 90.1    | 91.8    | 91.8        | 91.8    | 91.8        | 91.8        | 91.8    |
| GE 3000               | 51.4                        | 80.2    | 84.5    | 93.2    | 95.4    | 95.4        | 95.4    | 95.4        | 95.4        | 95.4    |
| GE 2500               | 62.0                        | 80.9    | 89.7    | 94.1    | 95.2    | 95.2        | 95.5    | 95.5        | 95.5        | 95.5    |
| GE 2000               | 53.1                        | 82.0    | 91.0    | 95.5    | 97.6    | 97.5        | 97.5    | 98.1        | 98.1        | 98.1    |
| GE 1800               | 53.1                        | 82.2    | 91.1    | 95.5    | 97.7    | 97.7        | 98.1    | 98.3        | 98.3        | 98.3    |
| GE 1600               | 53.2                        | 82.3    | 91.5    | 96.0    | 98.2    | 98.2        | 98.5    | 98.7        | 98.7        | 98.7    |
| GE 1200               | 53.2                        | 82.3    | 91.5    | 95.0    | 98.2    | 98.2        | 98.5    | 98.7        | 98.7        | 98.7    |
| GE 1000               | 53.2                        | 82.3    | 91.5    | 95.0    | 98.2    | 98.2        | 98.5    | 98.7        | 98.7        | 98.7    |
| GE 900                | 53.2                        | 82.3    | 91.5    | 95.1    | 98.3    | 98.3        | 98.5    | 98.8        | 98.8        | 98.8    |
| GE 800                | 53.2                        | 82.3    | 91.5    | 94.1    | 98.3    | 98.3        | 98.5    | 98.8        | 98.8        | 98.8    |
| GE 700                | 53.2                        | 82.3    | 91.5    | 95.2    | 98.4    | 98.4        | 98.7    | 98.9        | 98.9        | 98.9    |
| GE 600                | 53.2                        | 82.3    | 91.5    | 95.3    | 98.5    | 98.5        | 98.9    | 99.1        | 99.2        | 99.2    |
| GE 500                | 53.2                        | 82.3    | 91.7    | 95.5    | 98.7    | 98.7        | 99.0    | 99.2        | 99.4        | 99.4    |
| GE 400                | 53.2                        | 82.3    | 91.7    | 95.5    | 98.7    | 98.7        | 99.0    | 99.2        | 99.4        | 99.4    |
| GE 300                | 53.2                        | 82.3    | 91.7    | 95.5    | 98.7    | 98.7        | 99.0    | 99.2        | 99.4        | 99.4    |
| GE 200                | 53.2                        | 82.3    | 91.7    | 95.5    | 98.7    | 98.7        | 99.0    | 99.2        | 99.4        | 99.4    |
| GE 100                | 53.2                        | 82.3    | 91.7    | 95.5    | 98.7    | 98.7        | 99.0    | 99.2        | 99.4        | 99.4    |
| GE 000                | 53.2                        | 82.3    | 91.7    | 95.5    | 98.7    | 98.7        | 99.0    | 99.2        | 99.4        | 99.4    |

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

44 62

PERIOD OF RECORD: JUL 76 - MAY 83  
MONTH: AUG HOURS: 15-17

[illegible]

OPERATING LOCATION "AA"  
USAFSTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CIG  
FROM MONTHLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

PERIOD  
MONTH:

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>5 | GE<br>3 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 37.6                        | 47.6    | 54.0    | 56.2    | 56.9    | 56.9        | 56.9    | 56.9        | 56.9        | 56.9    |
| GE 20000              | 47.6                        | 59.9    | 64.3    | 70.3    | 71.4    | 71.4        | 71.4    | 71.4        | 71.4        | 71.4    |
| GE 15000              | 47.1                        | 61.5    | 59.7    | 72.4    | 73.0    | 73.0        | 73.0    | 73.0        | 73.0        | 73.0    |
| GE 10000              | 47.2                        | 61.5    | 70.0    | 72.5    | 73.1    | 73.1        | 73.1    | 73.1        | 73.1        | 73.1    |
| GE 14000              | 50.5                        | 62.9    | 71.3    | 73.9    | 74.7    | 74.7        | 74.7    | 74.7        | 74.7        | 74.7    |
| GE 12000              | 51.2                        | 64.2    | 72.5    | 75.1    | 75.3    | 75.3        | 75.3    | 75.3        | 75.3        | 75.3    |
| GE 10050              | 55.3                        | 64.9    | 77.5    | 80.2    | 81.7    | 81.7        | 81.7    | 81.7        | 81.7        | 81.7    |
| GE 7000               | 55.3                        | 69.6    | 78.2    | 80.9    | 82.5    | 82.5        | 82.5    | 82.5        | 82.5        | 82.5    |
| GE 6000               | 57.7                        | 71.7    | 80.6    | 83.3    | 85.1    | 85.1        | 85.3    | 85.3        | 85.3        | 85.3    |
| GE 7000               | 55.6                        | 72.5    | 81.5    | 84.3    | 85.9    | 85.9        | 86.2    | 86.2        | 86.2        | 86.2    |
| GE 6000               | 55.3                        | 72.5    | 81.9    | 84.5    | 85.3    | 85.3        | 85.5    | 85.5        | 85.5        | 85.5    |
| GE 5000               | 58.2                        | 73.4    | 82.7    | 85.5    | 87.2    | 87.2        | 87.4    | 87.4        | 87.4        | 87.4    |
| GE 4500               | 59.7                        | 74.1    | 83.3    | 86.1    | 88.1    | 88.1        | 88.3    | 88.3        | 88.3        | 88.3    |
| GE 4000               | 62.2                        | 77.1    | 84.3    | 89.7    | 91.5    | 91.5        | 92.2    | 92.2        | 92.2        | 92.2    |
| GE 3500               | 63.2                        | 78.2    | 83.5    | 91.7    | 93.7    | 93.7        | 94.0    | 94.0        | 94.0        | 94.0    |
| GE 3000               | 64.2                        | 79.2    | 89.2    | 93.4    | 95.3    | 95.2        | 95.2    | 95.2        | 95.2        | 95.2    |
| GE 2500               | 64.7                        | 80.5    | 90.5    | 94.2    | 95.5    | 95.7        | 97.0    | 97.0        | 97.0        | 97.0    |
| GE 2000               | 65.2                        | 81.1    | 91.1    | 94.7    | 97.1    | 97.3        | 97.5    | 97.6        | 97.5        | 97.5    |
| GE 1500               | 65.2                        | 81.1    | 91.1    | 94.7    | 97.1    | 97.3        | 97.5    | 97.5        | 97.5        | 97.5    |
| GE 1000               | 65.3                        | 81.2    | 91.5    | 94.4    | 97.4    | 97.6        | 98.0    | 98.0        | 98.0        | 98.0    |
| GE 1200               | 65.5                        | 81.4    | 91.5    | 95.4    | 97.5    | 98.1        | 98.4    | 98.4        | 98.4        | 98.4    |
| GE 1000               | 65.5                        | 81.5    | 91.5    | 95.7    | 98.4    | 98.5        | 98.7    | 98.9        | 98.9        | 98.9    |
| GE 800                | 65.5                        | 81.5    | 91.3    | 95.7    | 98.5    | 98.7        | 98.9    | 99.0        | 99.0        | 99.0    |
| GE 700                | 65.5                        | 81.5    | 91.3    | 95.7    | 98.5    | 98.7        | 98.9    | 99.0        | 99.0        | 99.0    |
| GE 600                | 65.7                        | 81.9    | 92.3    | 95.1    | 98.9    | 99.1        | 99.5    | 99.5        | 99.5        | 99.5    |
| GE 500                | 65.8                        | 82.0    | 92.4    | 95.3    | 99.1    | 99.4        | 99.7    | 99.7        | 99.7        | 99.7    |
| GE 500                | 65.3                        | 82.0    | 92.4    | 95.3    | 99.1    | 99.4        | 99.7    | 99.7        | 99.7        | 99.7    |
| GE 400                | 65.5                        | 82.0    | 92.4    | 95.3    | 99.1    | 99.4        | 99.7    | 99.7        | 99.7        | 99.7    |
| GE 300                | 65.3                        | 82.0    | 92.4    | 95.3    | 99.1    | 99.4        | 99.7    | 99.7        | 99.7        | 99.7    |
| GE 200                | 65.3                        | 82.0    | 92.4    | 95.3    | 99.1    | 99.4        | 99.7    | 99.7        | 99.7        | 99.7    |
| GE 100                | 65.3                        | 82.0    | 92.4    | 95.3    | 99.1    | 99.4        | 99.7    | 99.7        | 99.7        | 99.7    |

TOTAL NUMBER OF OBSERVATIONS 330

## 64

ITY IN STATUTE MILES

1 - 2 - 3

OPERATING LOCATION "A"  
USAFDTAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM JANUARY 1958-1961

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET |         |         |         |         |         | VISIBILITY IN STATUTE MILES |         |             |             |         |
|-----------------------|---------|---------|---------|---------|---------|-----------------------------|---------|-------------|-------------|---------|
|                       | GE<br>7 | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2                 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 43.4    | 50.5    | 55.2    | 57.3    | 59.7    | 60.7                        | 60.7    | 60.9        | 60.9        | 60.9    |
| GE 20000              | 52.1    | 51.2    | 59.2    | 72.4    | 73.7    | 73.7                        | 73.2    | 73.2        | 73.2        | 73.2    |
| GE 18000              | 52.4    | 51.7    | 59.2    | 73.1    | 74.4    | 74.4                        | 74.5    | 74.5        | 74.5        | 74.5    |
| GE 16000              | 52.5    | 51.2    | 70.2    | 73.2    | 74.5    | 74.5                        | 74.7    | 74.7        | 74.7        | 74.7    |
| GE 14000              | 53.4    | 52.7    | 71.0    | 74.2    | 75.6    | 75.6                        | 75.6    | 75.6        | 75.6        | 75.6    |
| GE 12000              | 53.5    | 53.1    | 71.5    | 74.4    | 75.3    | 75.3                        | 75.4    | 75.4        | 75.4        | 75.4    |
| GE 10000              | 57.1    | 57.0    | 75.2    | 79.2    | 80.8    | 80.8                        | 80.9    | 81.1        | 81.1        | 81.1    |
| GE 9000               | 57.4    | 57.5    | 75.4    | 79.5    | 81.3    | 81.3                        | 81.4    | 81.5        | 81.5        | 81.5    |
| GE 8000               | 57.5    | 59.1    | 75.3    | 82.2    | 83.4    | 83.4                        | 84.0    | 84.1        | 84.1        | 84.1    |
| GE 7000               | 57.3    | 59.4    | 73.3    | 82.7    | 84.3    | 84.3                        | 84.5    | 84.5        | 84.5        | 84.5    |
| GE 6000               | 59.5    | 59.5    | 73.5    | 83.9    | 84.5    | 84.5                        | 84.5    | 84.9        | 84.9        | 84.9    |
| GE 5000               | 59.5    | 70.2    | 80.3    | 84.3    | 85.5    | 85.5                        | 85.7    | 85.9        | 85.9        | 85.9    |
| GE 4500               | 59.9    | 70.2    | 81.1    | 84.2    | 85.5    | 85.5                        | 85.7    | 85.9        | 85.9        | 85.9    |
| GE 4000               | 51.7    | 73.2    | 83.5    | 84.1    | 89.2    | 89.2                        | 90.1    | 90.2        | 90.2        | 90.2    |
| GE 3500               | 53.3    | 74.4    | 85.4    | 89.2    | 91.7    | 91.7                        | 91.7    | 92.0        | 92.0        | 92.0    |
| GE 3000               | 54.4    | 75.3    | 87.2    | 91.7    | 93.4    | 93.4                        | 93.5    | 93.4        | 93.4        | 93.4    |
| GE 2500               | 55.5    | 77.4    | 88.1    | 92.4    | 94.5    | 94.7                        | 94.9    | 95.0        | 95.0        | 95.0    |
| GE 2000               | 55.2    | 78.2    | 88.2    | 93.5    | 95.4    | 95.7                        | 95.7    | 95.9        | 95.9        | 95.9    |
| GE 1800               | 55.7    | 78.2    | 88.4    | 93.5    | 95.4    | 95.7                        | 95.7    | 95.9        | 95.9        | 95.9    |
| GE 1600               | 55.5    | 78.5    | 89.3    | 93.2    | 95.9    | 95.9                        | 95.5    | 95.5        | 95.5        | 95.5    |
| GE 1400               | 57.0    | 79.2    | 89.2    | 94.5    | 95.5    | 97.0                        | 97.1    | 97.3        | 97.3        | 97.3    |
| GE 1200               | 57.0    | 79.0    | 89.3    | 94.6    | 97.3    | 97.4                        | 97.4    | 97.9        | 97.9        | 97.9    |
| GE 1000               | 57.7    | 79.0    | 89.2    | 94.7    | 97.4    | 97.3                        | 97.2    | 98.1        | 98.1        | 98.1    |
| GE 900                | 57.1    | 79.5    | 89.4    | 95.5    | 98.2    | 98.5                        | 98.7    | 98.9        | 98.9        | 98.9    |
| GE 800                | 57.1    | 79.5    | 89.4    | 95.5    | 98.2    | 98.7                        | 98.4    | 98.8        | 98.8        | 98.8    |
| GE 600                | 57.1    | 79.5    | 89.4    | 95.7    | 98.5    | 98.9                        | 99.0    | 99.2        | 99.2        | 99.2    |
| GE 500                | 57.3    | 80.0    | 90.2    | 96.3    | 99.2    | 99.5                        | 99.7    | 99.8        | 99.8        | 99.8    |
| GE 400                | 57.3    | 80.2    | 90.2    | 96.3    | 99.2    | 99.5                        | 99.7    | 99.8        | 99.8        | 99.8    |
| GE 300                | 57.3    | 80.0    | 90.2    | 96.3    | 99.2    | 99.5                        | 99.7    | 99.8        | 99.8        | 99.8    |
| GE 200                | 57.3    | 80.0    | 90.2    | 96.3    | 99.2    | 99.5                        | 99.7    | 99.8        | 99.8        | 99.8    |
| GE 100                | 57.3    | 80.0    | 90.2    | 96.3    | 99.2    | 99.5                        | 99.7    | 99.8        | 99.8        | 99.8    |

TOTAL NUMBER OF OBSERVATIONS 624

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: 64 PERIOD OF RECORD: JUN 74 - MAY 84  
MONTH: AUG HOURS: 21-23

CEILING IN STATUTE MILES

| GE   | GE    | GE    | GE   | GE   | GE   | GE    | GE    | GE    | GE    |
|------|-------|-------|------|------|------|-------|-------|-------|-------|
| 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2   | 3/8   | 1/4   | 0     |
| 60.0 | 60.0  | 60.0  | 60.0 | 60.0 | 60.0 | 60.0  | 60.0  | 60.0  | 60.0  |
| 73.0 | 73.0  | 73.0  | 73.0 | 73.0 | 73.0 | 73.0  | 73.0  | 73.0  | 73.0  |
| 74.5 | 74.5  | 74.5  | 74.5 | 74.5 | 74.5 | 74.5  | 74.5  | 74.5  | 74.5  |
| 74.7 | 74.7  | 74.7  | 74.7 | 74.7 | 74.7 | 74.7  | 74.7  | 74.7  | 74.7  |
| 75.5 | 75.5  | 75.5  | 75.5 | 75.5 | 75.5 | 75.5  | 75.5  | 75.5  | 75.5  |
| 75.4 | 75.4  | 75.4  | 75.4 | 75.4 | 75.4 | 75.4  | 75.4  | 75.4  | 75.4  |
| 81.0 | 81.1  | 81.1  | 81.1 | 81.1 | 81.1 | 81.1  | 81.1  | 81.1  | 81.1  |
| 81.4 | 81.5  | 81.5  | 81.5 | 81.5 | 81.5 | 81.5  | 81.5  | 81.5  | 81.5  |
| 84.0 | 84.1  | 84.1  | 84.1 | 84.1 | 84.1 | 84.1  | 84.1  | 84.1  | 84.1  |
| 84.2 | 84.5  | 84.5  | 84.5 | 84.5 | 84.5 | 84.5  | 84.5  | 84.5  | 84.5  |
| 84.3 | 84.3  | 84.3  | 84.3 | 84.3 | 84.3 | 84.3  | 84.3  | 84.3  | 84.3  |
| 85.7 | 85.0  | 85.0  | 85.0 | 85.0 | 85.0 | 85.0  | 85.0  | 85.0  | 85.0  |
| 85.7 | 85.0  | 85.0  | 85.0 | 85.0 | 85.0 | 85.0  | 85.0  | 85.0  | 85.0  |
| 90.1 | 90.2  | 90.2  | 90.2 | 90.2 | 90.2 | 90.2  | 90.2  | 90.2  | 90.2  |
| 91.0 | 92.0  | 92.0  | 92.0 | 92.0 | 92.0 | 92.0  | 92.0  | 92.0  | 92.0  |
| 93.5 | 93.3  | 93.3  | 93.3 | 93.3 | 93.3 | 93.3  | 93.3  | 93.3  | 93.3  |
| 94.3 | 95.0  | 95.0  | 95.0 | 95.0 | 95.0 | 95.0  | 95.0  | 95.0  | 95.0  |
| 95.0 | 95.0  | 95.0  | 95.0 | 95.0 | 95.0 | 95.0  | 95.0  | 95.0  | 95.0  |
| 95.0 | 95.0  | 95.0  | 95.0 | 95.0 | 95.0 | 95.0  | 95.0  | 95.0  | 95.0  |
| 95.5 | 95.5  | 95.5  | 95.5 | 95.5 | 95.5 | 95.5  | 95.5  | 95.5  | 95.5  |
| 97.1 | 97.3  | 97.3  | 97.3 | 97.3 | 97.3 | 97.3  | 97.3  | 97.3  | 97.3  |
| 97.0 | 97.0  | 97.0  | 97.0 | 97.0 | 97.0 | 97.0  | 97.0  | 97.0  | 97.0  |
| 97.0 | 98.1  | 98.1  | 98.1 | 98.1 | 98.1 | 98.1  | 98.1  | 98.1  | 98.1  |
| 98.7 | 98.9  | 98.9  | 98.9 | 98.9 | 98.9 | 98.9  | 98.9  | 98.9  | 98.9  |
| 98.5 | 99.0  | 99.0  | 99.0 | 99.0 | 99.0 | 99.0  | 99.0  | 99.0  | 99.0  |
| 99.0 | 99.2  | 99.2  | 99.2 | 99.2 | 99.2 | 99.2  | 99.2  | 99.2  | 99.2  |
| 99.7 | 99.3  | 99.3  | 99.3 | 99.3 | 99.3 | 99.3  | 99.3  | 99.3  | 99.3  |
| 99.7 | 99.5  | 99.5  | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| 99.7 | 99.5  | 99.5  | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| 99.7 | 99.3  | 99.3  | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 |
| 99.7 | 99.3  | 99.3  | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 |
| 99.7 | 99.3  | 99.3  | 99.3 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 |



OPERATING LOCATION "A"  
USAFBAG, ASH VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM JULY 1957 TO JULY 1958

STATION NUMBER: 732270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |  |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|--|
|                       | GE<br>7                     | GF<br>5 | GL<br>3 | GE<br>4 | GF<br>3 | GL<br>2 1/2 | GE<br>2 | GF<br>1 1/2 | GL<br>1 1/4 |  |
| NO CEIL               | 31.0                        | 40.0    | 45.0    | 50.0    | 53.0    | 53.0        | 53.0    | 54.0        | 54.0        |  |
| GE 20000              | 36.7                        | 48.1    | 55.0    | 59.7    | 62.0    | 63.2        | 63.0    | 63.0        | 63.0        |  |
| GF 18000              | 37.1                        | 48.7    | 55.0    | 59.0    | 63.2    | 63.0        | 64.0    | 64.0        | 64.0        |  |
| GF 16000              | 37.2                        | 48.7    | 55.7    | 59.4    | 63.3    | 63.0        | 64.3    | 64.0        | 64.0        |  |
| GE 14000              | 37.8                        | 49.0    | 56.0    | 61.0    | 64.0    | 64.0        | 65.0    | 65.0        | 65.0        |  |
| GE 12000              | 38.7                        | 50.0    | 58.0    | 62.0    | 65.0    | 65.0        | 66.0    | 67.1        | 67.0        |  |
| GE 10000              | 41.0                        | 54.0    | 62.0    | 67.1    | 72.0    | 71.0        | 71.0    | 72.0        | 72.1        |  |
| GF 8000               | 42.3                        | 55.1    | 62.0    | 67.0    | 71.1    | 71.0        | 72.0    | 72.0        | 72.0        |  |
| GF 6000               | 43.0                        | 57.0    | 65.0    | 70.1    | 73.0    | 74.0        | 74.0    | 75.0        | 75.0        |  |
| GE 7000               | 44.3                        | 57.0    | 65.7    | 70.7    | 74.0    | 75.1        | 75.7    | 75.0        | 75.0        |  |
| GF 6000               | 44.5                        | 57.0    | 65.7    | 71.1    | 74.0    | 75.4        | 76.0    | 76.0        | 76.0        |  |
| GE 5000               | 44.0                        | 57.0    | 65.7    | 71.0    | 75.0    | 76.0        | 76.0    | 77.1        | 77.1        |  |
| GF 4500               | 45.0                        | 59.0    | 67.0    | 72.0    | 76.0    | 77.0        | 77.0    | 78.1        | 78.0        |  |
| GF 4000               | 47.0                        | 62.1    | 70.7    | 75.0    | 80.1    | 80.0        | 81.0    | 81.0        | 81.0        |  |
| GF 3500               | 49.1                        | 63.0    | 72.0    | 78.0    | 82.0    | 83.0        | 83.0    | 84.1        | 84.1        |  |
| GE 3000               | 50.0                        | 65.7    | 75.1    | 81.1    | 85.0    | 86.1        | 86.0    | 87.0        | 87.1        |  |
| GF 2500               | 51.0                        | 67.1    | 76.7    | 82.7    | 87.0    | 87.0        | 88.0    | 89.0        | 89.0        |  |
| GF 2000               | 52.0                        | 68.5    | 78.0    | 84.0    | 88.0    | 89.0        | 90.0    | 90.0        | 90.0        |  |
| GF 1800               | 53.0                        | 68.0    | 78.0    | 84.7    | 89.0    | 90.0        | 91.0    | 90.0        | 90.0        |  |
| GE 1500               | 53.0                        | 69.0    | 78.0    | 85.0    | 90.0    | 91.0        | 91.0    | 91.0        | 91.0        |  |
| GF 1200               | 53.0                        | 70.0    | 80.1    | 86.7    | 91.0    | 92.0        | 93.0    | 93.0        | 93.0        |  |
| GF 1000               | 54.0                        | 70.0    | 80.7    | 87.0    | 92.0    | 93.1        | 93.0    | 94.0        | 94.0        |  |
| GE 900                | 54.0                        | 70.0    | 80.0    | 87.7    | 92.7    | 93.0        | 94.0    | 94.7        | 94.0        |  |
| GF 800                | 54.0                        | 70.7    | 81.0    | 87.0    | 93.0    | 94.0        | 95.0    | 95.0        | 95.0        |  |
| GF 700                | 54.0                        | 70.0    | 81.0    | 87.0    | 93.0    | 94.0        | 95.0    | 95.1        | 95.0        |  |
| GF 600                | 54.0                        | 71.1    | 81.0    | 88.0    | 94.0    | 95.0        | 95.0    | 96.0        | 97.0        |  |
| GF 500                | 54.0                        | 71.0    | 82.0    | 88.0    | 95.0    | 96.0        | 97.0    | 97.0        | 97.0        |  |
| GF 400                | 54.0                        | 71.0    | 82.0    | 88.0    | 95.0    | 96.0        | 97.0    | 97.0        | 97.0        |  |
| GF 300                | 54.0                        | 71.0    | 82.0    | 88.0    | 95.0    | 96.0        | 97.0    | 97.0        | 97.0        |  |
| GF 200                | 54.0                        | 71.0    | 82.0    | 88.0    | 95.0    | 96.0        | 97.0    | 97.0        | 97.0        |  |
| GF 100                | 54.0                        | 71.0    | 82.0    | 88.0    | 95.0    | 96.0        | 97.0    | 97.0        | 97.0        |  |
| GF 000                | 54.0                        | 71.0    | 82.0    | 88.0    | 95.0    | 96.0        | 97.0    | 97.0        | 97.0        |  |

TOTAL NUMBER OF OBSERVATIONS: 5000

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FOR JULY OBSERVATIONS

DATA PERIOD OF RECORD: JUN 70 - MAY 74  
MONTH: AUG MONTHS: ALL

| .....                    |       |       |      |      |      |      |      |       |       |
|--------------------------|-------|-------|------|------|------|------|------|-------|-------|
| CEILING IN STATUTE MILES |       |       |      |      |      |      |      |       |       |
| 0                        | 5     | 57    | 57   | 58   | 58   | 58   | 58   | 58    | 58    |
| 0                        | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/4  | 1/4   | 0     |
| .....                    |       |       |      |      |      |      |      |       |       |
| 53.3                     | 54.2  | 54.2  | 54.3 | 54.3 | 54.3 | 54.4 | 54.4 | 54.4  | 54.4  |
| 53.5                     | 53.5  | 53.3  | 53.3 | 53.2 | 53.2 | 54.0 | 54.0 | 54.0  | 54.0  |
| 54.2                     | 54.4  | 54.3  | 54.5 | 54.5 | 54.6 | 54.5 | 54.7 | 54.7  | 54.7  |
| 54.3                     | 54.7  | 54.5  | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.3  | 54.3  |
| 55.2                     | 55.4  | 55.5  | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.7  | 55.7  |
| 56.3                     | 57.1  | 57.2  | 57.3 | 57.3 | 57.3 | 57.4 | 57.4 | 57.4  | 57.4  |
| .....                    |       |       |      |      |      |      |      |       |       |
| 71.5                     | 72.0  | 72.1  | 72.2 | 72.2 | 72.2 | 72.3 | 72.3 | 72.3  | 72.3  |
| 72.7                     | 72.6  | 72.6  | 72.7 | 72.7 | 72.7 | 72.7 | 72.3 | 72.8  | 72.7  |
| 73.2                     | 75.3  | 75.3  | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5  | 75.5  |
| 75.7                     | 75.3  | 75.0  | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.2  | 75.2  |
| 75.3                     | 75.2  | 75.3  | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.5  | 75.5  |
| .....                    |       |       |      |      |      |      |      |       |       |
| 76.5                     | 77.1  | 77.1  | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.4  | 77.4  |
| 77.0                     | 75.1  | 75.2  | 75.3 | 75.4 | 75.2 | 75.3 | 75.3 | 75.4  | 75.4  |
| 81.5                     | 81.5  | 81.3  | 81.3 | 81.3 | 81.3 | 82.0 | 82.0 | 82.0  | 82.0  |
| 83.7                     | 84.1  | 84.1  | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.4  | 84.4  |
| 85.5                     | 87.0  | 87.1  | 87.2 | 87.2 | 87.2 | 87.2 | 87.3 | 87.3  | 87.3  |
| .....                    |       |       |      |      |      |      |      |       |       |
| 88.3                     | 88.7  | 88.5  | 88.3 | 89.0 | 89.0 | 89.0 | 89.0 | 89.1  | 89.1  |
| 90.3                     | 90.5  | 90.7  | 90.7 | 90.8 | 90.8 | 90.3 | 90.9 | 90.9  | 90.9  |
| 90.5                     | 90.9  | 90.3  | 91.3 | 91.1 | 91.1 | 91.1 | 91.1 | 91.2  | 91.2  |
| 91.5                     | 91.9  | 91.9  | 92.1 | 92.1 | 92.1 | 92.2 | 92.2 | 92.3  | 92.3  |
| 93.0                     | 93.3  | 93.4  | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.7  | 93.7  |
| .....                    |       |       |      |      |      |      |      |       |       |
| 94.3                     | 94.2  | 94.3  | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5  | 94.5  |
| 94.4                     | 94.7  | 94.3  | 94.2 | 95.0 | 95.0 | 95.1 | 95.1 | 95.2  | 95.2  |
| 95.2                     | 95.5  | 95.5  | 95.3 | 95.7 | 95.3 | 95.6 | 95.2 | 95.0  | 95.0  |
| 95.5                     | 95.1  | 95.2  | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5  | 95.5  |
| 95.5                     | 95.2  | 97.0  | 97.1 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4  | 97.4  |
| .....                    |       |       |      |      |      |      |      |       |       |
| 97.5                     | 97.5  | 97.2  | 98.0 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4  | 98.4  |
| 97.5                     | 95.3  | 95.4  | 95.5 | 95.3 | 95.5 | 95.3 | 95.3 | 95.0  | 95.0  |
| 98.1                     | 98.5  | 98.7  | 98.2 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4  | 99.4  |
| 98.3                     | 98.2  | 99.0  | 99.3 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8  | 99.8  |
| 99.3                     | 95.2  | 99.2  | 99.3 | 99.5 | 99.5 | 99.5 | 99.9 | 100.0 | 100.0 |
| .....                    |       |       |      |      |      |      |      |       |       |
| 99.3                     | 98.2  | 99.2  | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 |
| .....                    |       |       |      |      |      |      |      |       |       |

OPERATING LOCATION "A"  
USAFPTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM (ONLY) OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

| CEILING |       | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|---------|-------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| IN      | FEET  | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| 00      | 000   |                             | 25.0    | 25.0    | 25.0    | 25.0    | 25.0        | 25.0    | 25.0        | 25.0        |         |
| GE      | 20000 |                             | 25.0    | 25.0    | 25.0    | 25.0    | 25.0        | 25.0    | 25.0        | 25.0        |         |
| GE      | 18000 |                             | 25.0    | 25.0    | 25.0    | 25.0    | 25.0        | 25.0    | 25.0        | 25.0        |         |
| GE      | 16000 |                             | 25.0    | 25.0    | 25.0    | 25.0    | 25.0        | 25.0    | 25.0        | 25.0        |         |
| GE      | 14000 | 75.0                        | 75.0    | 75.0    | 75.0    | 75.0    | 75.0        | 75.0    | 75.0        | 75.0        |         |
| GE      | 12000 | 75.0                        | 75.0    | 75.0    | 75.0    | 75.0    | 75.0        | 75.0    | 75.0        | 75.0        |         |
| GE      | 10000 | 75.0                        | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |         |
| GE      | 8000  | 75.0                        | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |         |
| GE      | 6000  | 75.0                        | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |         |
| GE      | 4000  | 75.0                        | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |         |
| GE      | 3000  | 75.0                        | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |         |
| GE      | 2000  | 75.0                        | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |         |
| GE      | 1000  | 75.0                        | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |         |
| GE      | 500   | 75.0                        | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |         |
| GE      | 250   | 75.0                        | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |         |
| GE      | 100   | 75.0                        | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |         |
| GE      | 50    | 75.0                        | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |         |
| GE      | 25    | 75.0                        | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |         |
| GE      | 10    | 75.0                        | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |         |
| GE      | 5     | 75.0                        | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |         |
| GE      | 2     | 75.0                        | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |         |
| GE      | 1     | 75.0                        | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |         |
| GE      | 0     | 75.0                        | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |         |

TOTAL NUMBER OF OBSERVATIONS 4

1

1 - 2 - 70

### INCIDENCE OF OCCURRENCE OF CLIMING VERSUS VISIBILITY FROM DIFFERENT OBSERVATIONS

PERIOD OF RECORD: JUN 71 - MAY 72  
MONTH: SEP HOURS: 00-02

ITY IN STATE WILDS

|     |     |   |     |     |     |     |     |     |     |
|-----|-----|---|-----|-----|-----|-----|-----|-----|-----|
| 3   | 3   | 3 | 3   | 3   | 3   | 3   | 3   | 3   | 3   |
| 1/2 | 1/4 | 1 | 3/4 | 5/8 | 1/2 | 3/8 | 1/4 | 3/8 | 1/4 |

[illegible][illegible][illegible][illegible][illegible][illegible]

199.1 199.6 199.9 199.9 199.9 199.9 199.9 199.9 199.9 199.9

OPERATING LOCATION NAME  
USAF-TAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOWNS AFB GA  
LST TO UTC: + 5

PAGE 1  
OF 1

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 41.1                        | 43.2    | 49.9    | 63.2    | 64.5    | 64.5        | 65.5    | 65.5        | 65.5        | 65.5    |
| GE 20000              | 41.1                        | 44.3    | 51.1    | 55.4    | 55.9    | 57.0        | 58.0    | 58.0        | 58.0        | 58.0    |
| GE 17000              | 41.1                        | 44.3    | 51.1    | 55.4    | 55.9    | 57.0        | 58.0    | 58.0        | 58.0        | 58.0    |
| GE 16000              | 41.1                        | 44.3    | 51.1    | 55.4    | 55.9    | 57.0        | 58.0    | 58.0        | 58.0        | 58.0    |
| GE 14000              | 42.0                        | 54.5    | 51.5    | 55.4    | 57.4    | 57.6        | 58.5    | 58.5        | 58.5        | 58.5    |
| GE 12000              | 42.5                        | 55.1    | 52.4    | 55.5    | 53.3    | 58.5        | 59.5    | 59.5        | 59.5        | 59.5    |
| GE 10000              | 43.1                        | 55.5    | 54.3    | 55.7    | 70.2    | 70.3        | 71.5    | 71.5        | 71.5        | 71.5    |
| GE 9000               | 44.0                        | 55.7    | 54.5    | 55.9    | 70.3    | 70.5        | 71.5    | 71.5        | 71.5        | 71.5    |
| GE 8000               | 44.1                        | 55.0    | 55.3    | 71.5    | 72.9    | 73.1        | 74.2    | 74.2        | 74.2        | 74.2    |
| GE 7000               | 44.5                        | 55.0    | 55.5    | 71.5    | 73.1    | 73.3        | 74.4    | 74.4        | 74.4        | 74.4    |
| GE 6000               | 44.5                        | 55.0    | 55.5    | 71.5    | 73.1    | 73.3        | 74.4    | 74.4        | 74.4        | 74.4    |
| GE 5000               | 45.5                        | 55.7    | 57.2    | 72.5    | 74.4    | 74.5        | 75.7    | 75.7        | 75.7        | 75.7    |
| GE 4500               | 45.5                        | 55.7    | 57.2    | 72.7    | 74.5    | 74.8        | 75.7    | 75.9        | 75.9        | 75.9    |
| GE 4000               | 45.5                        | 55.3    | 58.0    | 73.3    | 75.7    | 75.7        | 77.0    | 77.0        | 77.0        | 77.0    |
| GE 3500               | 47.0                        | 58.2    | 57.9    | 74.4    | 75.5    | 75.8        | 77.9    | 77.9        | 77.9        | 77.9    |
| GE 3000               | 45.1                        | 51.5    | 70.2    | 75.1    | 77.2    | 75.1        | 79.2    | 79.2        | 79.2        | 79.2    |
| GE 2500               | 48.4                        | 51.9    | 70.7    | 75.4    | 78.5    | 78.8        | 79.9    | 79.9        | 79.9        | 79.9    |
| GE 2000               | 47.5                        | 52.1    | 71.3    | 77.5    | 79.5    | 79.7        | 80.5    | 80.8        | 80.8        | 80.8    |
| GE 1800               | 47.5                        | 52.1    | 71.3    | 77.5    | 79.5    | 79.7        | 80.5    | 80.8        | 80.8        | 80.8    |
| GE 1600               | 48.4                        | 53.0    | 72.2    | 77.2    | 81.2    | 81.4        | 82.5    | 82.5        | 82.5        | 82.5    |
| GE 1400               | 49.3                        | 54.1    | 74.5    | 80.5    | 82.5    | 82.7        | 83.4    | 83.4        | 83.4        | 83.4    |
| GE 1200               | 50.5                        | 55.2    | 75.3    | 82.0    | 84.2    | 84.3        | 85.5    | 85.5        | 85.5        | 85.5    |
| GE 1000               | 50.5                        | 55.4    | 75.7    | 82.7    | 85.3    | 85.5        | 85.5    | 85.5        | 85.5        | 85.5    |
| GE 900                | 51.0                        | 55.7    | 75.5    | 83.5    | 85.4    | 85.5        | 87.7    | 87.7        | 87.7        | 87.7    |
| GE 800                | 51.2                        | 55.9    | 75.3    | 84.3    | 87.3    | 87.7        | 88.4    | 88.4        | 88.4        | 88.4    |
| GE 700                | 51.2                        | 55.3    | 77.3    | 84.0    | 88.4    | 88.5        | 89.7    | 89.7        | 89.7        | 89.7    |
| GE 600                | 51.4                        | 55.7    | 73.5    | 85.5    | 91.0    | 91.3        | 92.4    | 92.4        | 92.4        | 92.4    |
| GE 500                | 51.4                        | 57.0    | 72.0    | 87.7    | 93.0    | 93.4        | 95.5    | 95.5        | 95.5        | 95.5    |
| GE 400                | 51.4                        | 57.0    | 79.4    | 88.0    | 93.5    | 93.9        | 95.7    | 97.4        | 97.4        | 97.4    |
| GE 300                | 51.4                        | 57.0    | 72.4    | 88.0    | 93.5    | 93.9        | 95.9    | 98.5        | 98.5        | 98.5    |
| GE 200                | 51.4                        | 57.0    | 79.4    | 88.0    | 93.5    | 93.9        | 95.9    | 98.5        | 98.5        | 98.5    |
| GE 100                | 51.4                        | 57.0    | 79.4    | 88.0    | 93.5    | 93.9        | 95.9    | 98.5        | 98.5        | 98.5    |

TOTAL NUMBER OF OBSERVATIONS 643

# AGENCY OF OCCURRENCE OF GLILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: 34 PERIOD OF RECORD: JUN 70 - MAY 71  
MONTH: SEP 1970 DATES: 03-05

HEIGHT IN STATUTE MILES

| 05    | 06    | 07    | 08    | 09    | 10    | 11    | 12    | 13    | 14    |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2     | 1 1/2 | 1 1/4 | 1     | 3/4   | 5/8   | 1/2   | 3/8   | 1/4   | 0     |
| 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  | 65.0  |
| 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  | 66.0  |
| 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  | 67.0  |
| 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  | 68.0  |
| 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  | 69.0  |
| 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  | 70.0  |
| 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  | 71.0  |
| 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  | 72.0  |
| 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  | 73.0  |
| 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  | 74.0  |
| 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  | 75.0  |
| 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  | 76.0  |
| 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  | 77.0  |
| 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  | 78.0  |
| 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  | 79.0  |
| 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  |
| 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  | 81.0  |
| 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  | 82.0  |
| 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  | 83.0  |
| 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  | 84.0  |
| 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  |
| 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  | 86.0  |
| 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  | 87.0  |
| 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  | 88.0  |
| 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  |
| 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  | 90.0  |
| 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  | 91.0  |
| 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  | 92.0  |
| 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  | 93.0  |
| 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  |
| 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  |
| 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  | 96.0  |
| 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  | 97.0  |
| 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  |
| 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  | 99.0  |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

OPERATING LOCATION "A"  
USAFETAC, ADAMSVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FOR ALL DATA

STATION NUMBER: 722770

STATION NAME: JOHNS AFB GA  
LAT TO SIG: + 5

| CEILINGS<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|------------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                        | GE<br>7                     | GE<br>5 | GE<br>3 | GE<br>1 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL                | 27.5                        | 35.3    | 44.0    | 49.7    | 54.5    | 55.1        | 55.9    | 56.1        | 56.1        | 56.1    |
| GE 20000               | 31.5                        | 39.2    | 45.0    | 53.0    | 59.1    | 59.5        | 59.5    | 61.5        | 61.5        | 61.5    |
| GE 18000               | 31.3                        | 39.3    | 47.0    | 53.7    | 59.2    | 59.3        | 59.7    | 61.7        | 61.7        | 61.7    |
| GE 16000               | 31.3                        | 39.3    | 47.0    | 53.7    | 59.3    | 59.4        | 59.7    | 61.7        | 61.7        | 61.7    |
| GE 14000               | 31.3                        | 39.5    | 47.0    | 54.4    | 59.9    | 60.7        | 61.4    | 62.4        | 62.4        | 62.4    |
| GE 12000               | 31.5                        | 40.2    | 48.5    | 55.6    | 61.1    | 61.9        | 62.5    | 63.5        | 63.5        | 63.5    |
| GE 10000               | 33.1                        | 42.2    | 51.2    | 58.4    | 64.1    | 64.3        | 65.0    | 66.5        | 66.5        | 66.5    |
| GE 8000                | 33.2                        | 42.4    | 51.7    | 59.9    | 64.5    | 65.2        | 65.2    | 67.5        | 67.5        | 67.5    |
| GE 6000                | 34.7                        | 44.0    | 53.7    | 61.3    | 67.3    | 67.0        | 68.5    | 69.5        | 69.5        | 69.5    |
| GE 7000                | 34.2                        | 44.2    | 53.9    | 61.7    | 67.3    | 68.4        | 69.2    | 70.2        | 70.2        | 70.2    |
| GE 6000                | 34.2                        | 44.3    | 54.0    | 61.8    | 67.3    | 68.5        | 69.3    | 70.3        | 70.3        | 70.3    |
| GE 5000                | 35.7                        | 45.2    | 55.1    | 63.0    | 69.2    | 69.7        | 70.7    | 71.7        | 71.7        | 71.7    |
| GE 4500                | 36.0                        | 45.5    | 55.4    | 63.4    | 69.7    | 70.3        | 71.1    | 72.1        | 72.1        | 72.1    |
| GE 4000                | 36.2                        | 45.4    | 56.3    | 64.3    | 70.0    | 71.5        | 72.3    | 73.3        | 73.3        | 73.3    |
| GE 3500                | 37.5                        | 47.5    | 57.5    | 65.5    | 72.4    | 73.1        | 73.9    | 74.4        | 74.4        | 74.4    |
| GE 3000                | 37.2                        | 47.5    | 57.1    | 65.1    | 72.3    | 73.4        | 74.2    | 75.2        | 75.2        | 75.2    |
| GE 2500                | 38.3                        | 48.5    | 58.0    | 67.1    | 73.5    | 74.4        | 75.2    | 76.2        | 76.2        | 76.2    |
| GE 2000                | 37.7                        | 48.7    | 59.4    | 67.5    | 74.2    | 74.9        | 75.7    | 76.7        | 76.7        | 76.7    |
| GE 1800                | 38.7                        | 49.0    | 59.5    | 67.7    | 74.3    | 75.0        | 75.7    | 76.7        | 76.7        | 76.7    |
| GE 1500                | 39.0                        | 50.3    | 60.9    | 68.1    | 75.2    | 76.4        | 77.2    | 78.2        | 78.2        | 78.2    |
| GE 1200                | 40.5                        | 51.2    | 61.5    | 70.2    | 77.0    | 77.5        | 78.7    | 79.7        | 79.7        | 79.7    |
| GE 1000                | 40.5                        | 51.7    | 62.3    | 71.0    | 78.0    | 78.5        | 79.7    | 81.1        | 81.1        | 81.1    |
| GE 900                 | 41.2                        | 52.3    | 63.0    | 71.2    | 78.5    | 79.9        | 81.1    | 82.2        | 82.2        | 82.2    |
| GE 800                 | 41.2                        | 52.4    | 63.2    | 72.3    | 80.3    | 81.3        | 82.5    | 83.7        | 83.7        | 83.7    |
| GE 700                 | 41.3                        | 52.7    | 63.5    | 73.3    | 81.7    | 82.9        | 84.2    | 85.3        | 85.3        | 85.3    |
| GE 600                 | 41.3                        | 53.0    | 64.4    | 74.4    | 83.7    | 85.1        | 85.7    | 87.3        | 87.3        | 87.3    |
| GE 500                 | 41.3                        | 53.3    | 65.3    | 75.5    | 85.7    | 87.5        | 89.2    | 91.5        | 91.5        | 91.5    |
| GE 400                 | 41.3                        | 53.4    | 65.5    | 76.4    | 87.1    | 89.7        | 92.9    | 94.4        | 94.4        | 94.4    |
| GE 300                 | 41.3                        | 53.4    | 65.5    | 76.5    | 87.3    | 90.0        | 93.4    | 95.3        | 95.3        | 95.3    |
| GE 200                 | 41.3                        | 53.4    | 65.5    | 76.5    | 87.4    | 90.1        | 94.0    | 96.0        | 96.0        | 96.0    |
| GE 100                 | 41.3                        | 53.4    | 65.5    | 76.5    | 87.4    | 90.1        | 94.0    | 96.0        | 96.0        | 96.0    |
| GE 000                 | 41.3                        | 53.4    | 65.5    | 76.5    | 87.4    | 90.1        | 94.0    | 96.0        | 96.0        | 96.0    |

TOTAL NUMBER OF OBSERVATIONS 900

A

3 - 2 - 76

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM AIRCRAFT OBSERVATIONS

DATA PERIOD OF RECORD: JUN 73 - MAY 74  
MONTH: SEP HOURS: 06-24

HEIGHT IN STATUTE MILES

| 0    | 1    | 1 1/2 | 2    | 3    | 4    | 5    | 6    | 7    | 8     |
|------|------|-------|------|------|------|------|------|------|-------|
| 0    | 1    | 1 1/2 | 2    | 3    | 4    | 5    | 6    | 7    | 8     |
| 55.0 | 55.0 | 55.0  | 55.0 | 55.0 | 55.0 | 57.0 | 57.1 | 57.1 | 57.1  |
| 50.5 | 51.5 | 51.5  | 51.7 | 51.7 | 51.7 | 51.5 | 51.9 | 51.9 | 51.9  |
| 50.7 | 51.7 | 51.7  | 51.5 | 51.5 | 51.5 | 51.9 | 52.0 | 52.0 | 52.0  |
| 50.7 | 51.7 | 51.7  | 51.5 | 51.5 | 51.5 | 51.9 | 52.0 | 52.0 | 52.0  |
| 51.4 | 52.4 | 52.4  | 52.6 | 52.6 | 52.6 | 52.7 | 52.7 | 52.8 | 52.8  |
| 52.5 | 53.5 | 53.5  | 53.7 | 53.7 | 53.7 | 53.8 | 53.9 | 53.9 | 53.9  |
| 55.5 | 55.5 | 55.5  | 55.7 | 55.7 | 55.7 | 55.5 | 55.9 | 55.9 | 55.9  |
| 57.0 | 57.0 | 57.0  | 57.1 | 57.1 | 57.1 | 57.2 | 57.3 | 57.3 | 57.3  |
| 59.5 | 59.5 | 59.5  | 59.7 | 59.7 | 59.7 | 59.9 | 70.0 | 70.1 | 70.1  |
| 70.2 | 70.2 | 70.2  | 70.3 | 70.3 | 70.3 | 70.4 | 70.5 | 70.5 | 70.5  |
| 70.3 | 70.3 | 70.3  | 70.4 | 70.4 | 70.4 | 70.5 | 70.7 | 70.7 | 70.7  |
| 71.7 | 71.7 | 71.7  | 71.5 | 71.5 | 71.5 | 71.9 | 72.0 | 72.0 | 72.0  |
| 71.1 | 72.1 | 72.1  | 72.2 | 72.2 | 72.2 | 72.3 | 72.4 | 72.4 | 72.5  |
| 72.5 | 73.3 | 73.3  | 73.4 | 73.4 | 73.4 | 73.5 | 73.7 | 73.7 | 73.7  |
| 73.0 | 74.4 | 74.4  | 75.0 | 75.0 | 75.0 | 75.1 | 75.2 | 75.2 | 75.2  |
| 74.2 | 75.2 | 75.2  | 75.3 | 75.3 | 75.3 | 75.4 | 75.5 | 75.5 | 75.5  |
| 75.2 | 75.2 | 75.2  | 75.3 | 75.3 | 75.3 | 75.4 | 75.5 | 75.5 | 75.5  |
| 75.7 | 75.7 | 75.7  | 75.5 | 75.5 | 75.5 | 75.9 | 77.0 | 77.0 | 77.0  |
| 75.7 | 76.3 | 76.3  | 76.9 | 76.9 | 76.9 | 77.0 | 77.1 | 77.1 | 77.1  |
| 77.2 | 78.2 | 78.2  | 78.3 | 78.3 | 78.3 | 78.4 | 78.5 | 78.5 | 78.5  |
| 77.7 | 77.7 | 77.7  | 77.3 | 77.8 | 77.3 | 77.9 | 80.0 | 80.0 | 80.0  |
| 81.0 | 81.1 | 81.1  | 81.2 | 81.2 | 81.2 | 81.5 | 81.4 | 81.4 | 81.6  |
| 81.1 | 82.2 | 82.2  | 82.3 | 82.3 | 82.3 | 82.4 | 82.5 | 82.5 | 82.5  |
| 82.5 | 83.7 | 83.7  | 83.8 | 83.8 | 83.8 | 83.9 | 84.0 | 84.0 | 84.0  |
| 85.2 | 85.3 | 85.3  | 85.4 | 85.4 | 85.4 | 85.6 | 85.7 | 85.7 | 85.7  |
| 85.7 | 87.3 | 87.3  | 87.7 | 87.7 | 87.7 | 88.0 | 88.1 | 88.1 | 88.1  |
| 91.2 | 91.5 | 91.5  | 91.9 | 91.9 | 91.9 | 92.0 | 92.1 | 92.1 | 92.2  |
| 92.7 | 94.4 | 94.4  | 94.9 | 94.9 | 94.9 | 95.0 | 95.1 | 95.1 | 95.2  |
| 95.8 | 95.8 | 95.9  | 96.0 | 97.1 | 97.1 | 97.2 | 97.3 | 97.4 | 97.4  |
| 97.0 | 96.0 | 96.2  | 97.5 | 98.0 | 98.0 | 98.1 | 98.5 | 98.9 | 99.0  |
| 96.2 | 96.0 | 96.2  | 97.5 | 98.1 | 98.1 | 98.2 | 98.7 | 99.2 | 99.7  |
| 99.7 | 99.0 | 99.2  | 97.5 | 98.1 | 98.1 | 98.3 | 99.3 | 99.3 | 100.0 |



PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FOLLOW-UP OBSERVATIONS

STATION NAME : DEBBINS AFB GA  
LST ID NO: + 5

• • •

VISIBILITY 10 STATUTE MILES

•

TOTAL NUMBER OF OBSERVATIONS 902

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM AIRPORT OBSERVATIONS

PERIOD OF RECORD: JUN 75 - MAY 76  
MONTH: SEP HOURS: 09-11

| ABILITY IN STATISTICAL FILMS |      |       |       |      |      |      |       |       |       |       |
|------------------------------|------|-------|-------|------|------|------|-------|-------|-------|-------|
|                              | 70   | 75    | 80    | 85   | 90   | 95   | 98    | 99    | 99.5  | 99.9  |
| 70                           | 70   | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/7  | 1/2   | 3/5   | 1/4   | 1     |
| 4                            | 57.5 | 57.5  | 57.5  | 57.5 | 57.5 | 57.5 | 57.5  | 57.5  | 57.5  | 57.5  |
| 1                            | 61.3 | 61.3  | 61.3  | 61.3 | 61.3 | 61.3 | 61.3  | 61.3  | 61.3  | 61.3  |
| 1                            | 61.3 | 61.3  | 61.3  | 61.3 | 61.3 | 61.3 | 61.3  | 61.3  | 61.3  | 61.3  |
| 1                            | 61.4 | 61.4  | 61.4  | 61.4 | 61.4 | 61.4 | 61.4  | 61.4  | 61.4  | 61.4  |
| 3                            | 62.5 | 62.6  | 62.6  | 62.6 | 62.6 | 62.6 | 62.6  | 62.6  | 62.6  | 62.6  |
| 5                            | 64.0 | 64.0  | 64.0  | 64.0 | 64.0 | 64.0 | 64.0  | 64.0  | 64.0  | 64.0  |
| 5                            | 66.5 | 66.6  | 66.6  | 66.6 | 66.6 | 66.6 | 66.6  | 66.6  | 66.6  | 66.6  |
| 1                            | 67.3 | 67.3  | 67.3  | 67.3 | 67.3 | 67.3 | 67.3  | 67.3  | 67.3  | 67.3  |
| 2                            | 69.7 | 69.9  | 69.9  | 69.9 | 69.9 | 69.9 | 69.9  | 69.9  | 69.9  | 69.9  |
| 5                            | 71.1 | 71.1  | 71.1  | 71.1 | 71.1 | 71.1 | 71.1  | 71.1  | 71.1  | 71.1  |
| 5                            | 71.2 | 71.2  | 71.2  | 71.2 | 71.2 | 71.2 | 71.2  | 71.2  | 71.2  | 71.2  |
| 5                            | 72.5 | 72.5  | 72.5  | 72.5 | 72.5 | 72.5 | 72.5  | 72.5  | 72.5  | 72.5  |
| 5                            | 73.1 | 73.1  | 73.1  | 73.1 | 73.1 | 73.1 | 73.1  | 73.1  | 73.1  | 73.1  |
| 5                            | 73.5 | 73.5  | 73.5  | 73.5 | 73.5 | 73.5 | 73.5  | 73.5  | 73.5  | 73.5  |
| 5                            | 74.0 | 74.0  | 74.0  | 74.0 | 74.0 | 74.0 | 74.0  | 74.0  | 74.0  | 74.0  |
| 2                            | 75.4 | 75.4  | 75.4  | 75.4 | 75.4 | 75.4 | 75.4  | 75.4  | 75.4  | 75.4  |
| 5                            | 77.0 | 77.0  | 77.0  | 77.0 | 77.0 | 77.0 | 77.0  | 77.0  | 77.0  | 77.0  |
| 5                            | 79.0 | 79.0  | 79.0  | 79.0 | 79.0 | 79.0 | 79.0  | 79.0  | 79.0  | 79.0  |
| 5                            | 79.5 | 79.5  | 79.5  | 79.5 | 79.5 | 79.5 | 79.5  | 79.5  | 79.5  | 79.5  |
| 5                            | 82.1 | 82.1  | 82.1  | 82.1 | 82.1 | 82.1 | 82.1  | 82.1  | 82.1  | 82.1  |
| 5                            | 84.8 | 84.8  | 84.8  | 84.8 | 84.8 | 84.8 | 84.8  | 84.8  | 84.8  | 84.8  |
| 5                            | 86.0 | 86.0  | 86.0  | 86.0 | 86.0 | 86.0 | 86.0  | 86.0  | 86.0  | 86.0  |
| 5                            | 89.3 | 89.3  | 89.3  | 89.3 | 89.3 | 89.3 | 89.3  | 89.3  | 89.3  | 89.3  |
| 2                            | 91.5 | 91.9  | 91.9  | 91.9 | 91.9 | 91.9 | 91.9  | 91.9  | 91.9  | 91.9  |
| 7                            | 94.0 | 94.1  | 94.1  | 94.1 | 94.1 | 94.1 | 94.1  | 94.1  | 94.1  | 94.1  |
| 5                            | 95.6 | 95.7  | 95.7  | 95.7 | 95.7 | 95.7 | 95.7  | 95.7  | 95.7  | 95.7  |
| 5                            | 97.7 | 97.1  | 97.1  | 97.2 | 97.2 | 97.2 | 97.2  | 97.2  | 97.2  | 97.2  |
| 5                            | 98.1 | 98.2  | 98.2  | 98.2 | 98.2 | 98.2 | 98.2  | 98.2  | 98.2  | 98.2  |
| 2                            | 99.2 | 99.9  | 99.2  | 99.2 | 99.2 | 99.2 | 99.2  | 99.2  | 99.2  | 99.2  |
| 7                            | 99.2 | 99.9  | 99.2  | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 |
| 5                            | 99.2 | 99.9  | 99.2  | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 |
| 5                            | 99.2 | 99.9  | 99.2  | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 |

OPERATING LOCATION "A"  
USAF TAC, ACHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
IN THE HOURLY OBSERVATION

STATION NUMBER: 722270

STATION NAME: DEBBING AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>5 | GE<br>3 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 41.3                        | 47.3    | 49.9    | 50.7    | 50.3    | 50.2        | 50.6    | 50.1        | 50.3        |
| GE 20000              | 45.6                        | 53.0    | 55.0    | 55.9    | 57.0    | 57.0        | 57.0    | 57.0        | 57.0        |
| GE 18000              | 45.6                        | 53.0    | 55.0    | 55.7    | 57.0    | 57.0        | 57.0    | 57.0        | 57.0        |
| GE 16000              | 45.7                        | 53.2    | 55.2    | 57.1    | 57.2    | 57.2        | 57.2    | 57.2        | 57.2        |
| GE 14000              | 45.7                        | 54.1    | 57.1    | 58.1    | 58.2    | 58.2        | 58.2    | 58.2        | 58.2        |
| GE 12000              | 47.4                        | 55.4    | 53.4    | 53.4    | 53.5    | 53.5        | 53.5    | 53.5        | 53.5        |
| GE 10000              | 51.6                        | 53.9    | 52.0    | 53.0    | 53.1    | 53.1        | 53.1    | 53.1        | 53.1        |
| GE 9000               | 55.6                        | 59.1    | 52.2    | 53.3    | 53.4    | 53.4        | 53.4    | 53.4        | 53.4        |
| GE 8000               | 52.7                        | 52.1    | 55.3    | 55.5    | 55.7    | 55.7        | 55.7    | 55.9        | 55.7        |
| GE 7000               | 53.3                        | 52.1    | 56.0    | 57.2    | 57.5    | 57.5        | 57.5    | 57.5        | 57.5        |
| GE 6000               | 53.3                        | 52.3    | 56.0    | 57.2    | 57.5    | 57.5        | 57.5    | 57.5        | 57.5        |
| GE 5000               | 54.5                        | 54.1    | 57.3    | 58.3    | 59.1    | 59.1        | 59.1    | 59.1        | 59.1        |
| GE 4500               | 55.6                        | 55.1    | 53.3    | 58.3    | 70.1    | 70.1        | 70.1    | 70.1        | 70.1        |
| GE 4000               | 57.7                        | 55.9    | 71.5    | 73.2    | 73.5    | 73.5        | 73.5    | 73.5        | 73.5        |
| GE 3500               | 58.3                        | 70.3    | 74.4    | 75.1    | 75.4    | 75.4        | 75.4    | 75.4        | 75.4        |
| GE 3000               | 55.1                        | 75.5    | 70.5    | 82.2    | 82.0    | 82.0        | 82.0    | 82.0        | 82.0        |
| GE 2500               | 66.7                        | 73.2    | 82.2    | 84.0    | 84.2    | 84.2        | 84.2    | 84.2        | 84.2        |
| GE 2000               | 50.0                        | 80.3    | 85.4    | 87.2    | 83.3    | 88.3        | 88.3    | 88.3        | 88.3        |
| GE 1500               | 50.2                        | 81.1    | 85.9    | 87.7    | 89.0    | 89.0        | 89.0    | 89.0        | 89.0        |
| GE 1300               | 70.1                        | 82.2    | 87.1    | 83.7    | 90.3    | 90.3        | 90.4    | 90.4        | 90.4        |
| GE 1200               | 71.7                        | 83.0    | 83.0    | 90.0    | 92.1    | 92.1        | 92.2    | 92.2        | 92.2        |
| GE 1000               | 71.4                        | 83.9    | 82.2    | 91.3    | 93.1    | 93.9        | 94.0    | 94.0        | 94.0        |
| GE 900                | 71.4                        | 84.1    | 89.5    | 91.7    | 94.6    | 94.7        | 94.8    | 94.9        | 94.9        |
| GE 800                | 71.4                        | 84.2    | 83.7    | 91.7    | 94.5    | 95.0        | 95.1    | 95.2        | 95.2        |
| GE 700                | 71.4                        | 84.2    | 90.0    | 92.4    | 95.0    | 95.4        | 95.5    | 95.7        | 95.7        |
| GE 600                | 71.5                        | 84.4    | 90.3    | 93.2    | 97.5    | 95.0        | 93.2    | 94.3        | 94.3        |
| GE 500                | 71.7                        | 84.7    | 90.6    | 93.7    | 98.4    | 95.0        | 93.2    | 92.3        | 92.3        |
| GE 400                | 71.7                        | 84.7    | 90.6    | 93.7    | 98.5    | 99.0        | 99.7    | 99.8        | 99.8        |
| GE 300                | 71.7                        | 84.7    | 90.6    | 93.7    | 93.5    | 99.0        | 99.7    | 99.8        | 99.8        |
| GE 200                | 71.7                        | 84.7    | 90.6    | 93.7    | 93.6    | 99.0        | 99.7    | 99.8        | 99.8        |
| GE 100                | 71.7                        | 84.7    | 90.6    | 93.7    | 93.5    | 99.0        | 99.7    | 99.8        | 99.8        |
| GE 000                | 71.7                        | 84.7    | 90.6    | 93.7    | 93.6    | 99.0        | 99.7    | 99.9        | 99.9        |

TOTAL NUMBER OF OBSERVATIONS 200

F

0 - 2 - 74

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM FLIGHT OBSERVATIONS

PERIOD OF RECORD: JUN 75 - MAY 76  
MONTH: SEP HOURS: 12-14

| DISTANCE IN STATUTE MILES |         |         |       |       |       |       |       |       |       |
|---------------------------|---------|---------|-------|-------|-------|-------|-------|-------|-------|
| 0-2                       | 0-1 1/2 | 0-1 1/4 | 0-1   | 0-3/4 | 0-5/8 | 0-1/2 | 0-3/8 | 0-1/4 | 0     |
| 50.0                      | 50.0    | 50.0    | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  |
| 57.0                      | 57.0    | 57.0    | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  |
| 57.0                      | 57.0    | 57.0    | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  | 57.0  |
| 57.2                      | 57.2    | 57.2    | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  | 57.2  |
| 58.2                      | 58.2    | 58.2    | 58.2  | 58.2  | 58.2  | 58.2  | 58.2  | 58.2  | 58.2  |
| 59.5                      | 59.5    | 59.5    | 59.5  | 59.5  | 59.5  | 59.5  | 59.5  | 59.5  | 59.5  |
| 63.1                      | 63.1    | 63.1    | 63.1  | 63.1  | 63.1  | 63.1  | 63.1  | 63.1  | 63.1  |
| 63.4                      | 63.4    | 63.4    | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  | 63.4  |
| 65.9                      | 65.9    | 65.9    | 65.9  | 65.9  | 65.9  | 65.9  | 65.9  | 65.9  | 65.9  |
| 67.5                      | 67.5    | 67.5    | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  |
| 67.5                      | 67.5    | 67.5    | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  | 67.5  |
| 69.1                      | 69.1    | 69.1    | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  | 69.1  |
| 70.1                      | 70.1    | 70.1    | 70.1  | 70.1  | 70.1  | 70.1  | 70.1  | 70.1  | 70.1  |
| 73.5                      | 73.5    | 73.5    | 73.5  | 73.5  | 73.5  | 73.5  | 73.5  | 73.5  | 73.5  |
| 75.4                      | 75.4    | 75.4    | 75.4  | 75.4  | 75.4  | 75.4  | 75.4  | 75.4  | 75.4  |
| 82.9                      | 82.9    | 82.9    | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  | 82.9  |
| 84.9                      | 84.9    | 84.9    | 84.9  | 84.9  | 84.9  | 84.9  | 84.9  | 84.9  | 84.9  |
| 85.3                      | 85.3    | 85.3    | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  | 85.3  |
| 89.0                      | 89.0    | 89.0    | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  | 89.0  |
| 90.4                      | 90.4    | 90.4    | 90.4  | 90.4  | 90.4  | 90.4  | 90.4  | 90.4  | 90.4  |
| 92.2                      | 92.2    | 92.2    | 92.2  | 92.2  | 92.2  | 92.2  | 92.2  | 92.2  | 92.2  |
| 94.0                      | 94.0    | 94.0    | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  | 94.0  |
| 94.9                      | 94.9    | 94.9    | 94.9  | 94.9  | 94.9  | 94.9  | 94.9  | 94.9  | 94.9  |
| 95.2                      | 95.2    | 95.2    | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  | 95.2  |
| 95.7                      | 95.7    | 95.7    | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  |
| 95.7                      | 95.7    | 95.7    | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  |
| 97.5                      | 97.5    | 97.5    | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  | 97.5  |
| 99.6                      | 99.6    | 99.6    | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  | 99.6  |
| 99.7                      | 99.7    | 99.7    | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 99.7                      | 99.7    | 99.7    | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 99.7                      | 99.7    | 99.7    | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 99.7                      | 99.7    | 99.7    | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 99.7                      | 99.7    | 99.7    | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

OPERATING LOCATION NAME  
USAFPTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM JULY 1961 TO 1961

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

.....  
CEILING

.....  
VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | GF<br>8 | GH<br>9 | GI<br>4 | GL<br>3 | GE<br>1 1/2 | GF<br>2 | GH<br>1 1/2 | GI<br>1 1/4 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
| NO CEIL    | 48.1    | 53.7    | 55.0    | 55.7    | 55.7    | 55.7        | 55.7    | 55.7        | 55.7        |
| GE 20000   | 55.4    | 52.4    | 55.1    | 55.4    | 55.4    | 55.3        | 55.3    | 55.3        | 55.3        |
| GE 18000   | 55.2    | 52.7    | 55.3    | 55.0    | 55.0    | 55.0        | 55.0    | 55.0        | 55.0        |
| GE 16000   | 55.5    | 53.0    | 55.7    | 55.3    | 55.3    | 55.3        | 55.3    | 55.3        | 55.3        |
| GE 14000   | 55.4    | 53.3    | 55.0    | 55.7    | 55.7    | 55.7        | 55.7    | 55.7        | 55.7        |
| GE 12000   | 55.3    | 55.3    | 53.4    | 59.1    | 59.1    | 59.1        | 59.1    | 59.1        | 59.1        |
| GE 10000   | 51.1    | 51.9    | 72.1    | 72.5    | 72.2    | 72.2        | 72.2    | 72.2        | 72.2        |
| GE 9000    | 51.4    | 53.4    | 72.9    | 73.5    | 73.7    | 75.7        | 73.7    | 73.7        | 73.7        |
| GE 8000    | 53.4    | 71.4    | 75.3    | 75.4    | 75.0    | 75.5        | 75.4    | 75.5        | 75.5        |
| GE 7000    | 53.9    | 72.2    | 75.2    | 77.9    | 77.2    | 77.2        | 77.2    | 77.2        | 77.2        |
| GE 6000    | 54.2    | 72.7    | 75.4    | 77.6    | 77.5    | 77.2        | 77.2    | 77.2        | 77.2        |
| GE 5000    | 45.1    | 73.7    | 77.0    | 72.7    | 73.6    | 75.2        | 72.2    | 72.3        | 72.2        |
| GE 4500    | 55.3    | 74.3    | 73.7    | 74.4    | 73.7    | 73.7        | 73.7    | 73.7        | 73.7        |
| GE 4000    | 57.3    | 76.9    | 81.6    | 82.3    | 82.5    | 82.5        | 82.5    | 82.5        | 82.5        |
| GE 3500    | 70.1    | 79.1    | 83.3    | 84.2    | 85.1    | 85.1        | 85.1    | 85.1        | 85.1        |
| GE 3000    | 72.4    | 81.7    | 85.7    | 85.0    | 83.7    | 84.7        | 84.9    | 84.9        | 85.0        |
| GE 2500    | 73.7    | 83.2    | 89.2    | 89.5    | 90.3    | 90.3        | 90.7    | 90.7        | 90.7        |
| GE 2000    | 75.1    | 84.9    | 89.9    | 91.2    | 92.0    | 92.0        | 92.4    | 92.4        | 92.4        |
| GE 1800    | 75.1    | 85.0    | 90.0    | 91.4    | 92.2    | 92.2        | 92.7    | 92.7        | 92.7        |
| GE 1600    | 75.6    | 85.4    | 90.4    | 92.1    | 92.9    | 92.9        | 93.3    | 93.3        | 93.3        |
| GE 1200    | 75.5    | 85.7    | 91.9    | 93.7    | 94.3    | 94.4        | 95.2    | 95.2        | 95.2        |
| GE 1000    | 75.9    | 85.8    | 92.0    | 93.5    | 95.1    | 92.2        | 95.7    | 95.7        | 95.7        |
| GE 770     | 75.9    | 85.8    | 92.1    | 94.9    | 95.5    | 95.7        | 95.1    | 95.1        | 95.1        |
| GE 800     | 76.9    | 87.0    | 92.4    | 94.4    | 96.1    | 95.4        | 95.9    | 95.9        | 95.9        |
| GE 700     | 77.1    | 87.3    | 92.9    | 94.9    | 96.5    | 97.1        | 97.5    | 97.5        | 97.5        |
| GE 600     | 77.2    | 87.4    | 93.1    | 95.2    | 97.1    | 97.9        | 98.3    | 98.3        | 98.3        |
| GE 500     | 77.2    | 87.5    | 93.3    | 95.2    | 93.0    | 96.3        | 93.4    | 93.3        | 93.3        |
| GE 400     | 77.2    | 87.5    | 93.4    | 95.0    | 93.1    | 99.1        | 93.5    | 93.5        | 93.5        |
| GE 300     | 77.2    | 87.5    | 93.4    | 95.0    | 93.2    | 99.2        | 93.7    | 93.5        | 93.4        |
| GE 200     | 77.2    | 87.5    | 93.4    | 95.0    | 94.2    | 99.2        | 93.7    | 93.4        | 93.4        |
| GE 100     | 77.2    | 87.5    | 93.4    | 95.0    | 94.2    | 99.2        | 93.7    | 93.4        | 93.4        |

.....  
TOTAL NUMBER OF OBSERVATIONS 200

F

0 - 2 - 75

3 GA DELETED RE RECORDED: JUL 77 - MAY 78  
NOTES: SEP 77 - APR 78: 15-17

[illegible]

OPERATING LOCATION MAP  
USAFETAG, AFB VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE  
OF THE FOLLOWING STATION

STATION NUMBER: 722270

STATION NAME: LINDSAY AFB

LOT TO BTO: + 5

CEILING

VISIBILITY IN STATION MILES

| FEET    | 7    | 8    | 9    | 10   | 11   | 12   | 1 1/2 | 2    | 1 1/2 | 1 1/4 | 1    |
|---------|------|------|------|------|------|------|-------|------|-------|-------|------|
| 40 CEIL | 53.4 | 55.1 | 59.5 | 60.7 | 60.7 | 60.2 | 60.7  | 60.8 | 60.8  | 60.8  | 60.8 |
| 50      | 61.1 | 67.6 | 70.2 | 71.5 | 71.5 | 71.7 | 71.7  | 71.7 | 71.7  | 71.7  | 71.7 |
| 60      | 61.7 | 68.2 | 70.7 | 72.2 | 72.2 | 72.3 | 72.3  | 72.3 | 72.3  | 72.3  | 72.3 |
| 70      | 61.7 | 68.2 | 70.7 | 72.2 | 72.2 | 72.3 | 72.3  | 72.3 | 72.3  | 72.3  | 72.3 |
| 80      | 62.4 | 68.1 | 71.0 | 73.4 | 73.4 | 73.4 | 73.4  | 73.4 | 73.4  | 73.4  | 73.4 |
| 90      | 63.7 | 70.2 | 73.7 | 75.2 | 75.2 | 75.3 | 75.3  | 75.3 | 75.3  | 75.3  | 75.3 |
| 100     | 65.2 | 73.4 | 75.9 | 78.5 | 78.5 | 78.1 | 78.1  | 78.1 | 78.1  | 78.1  | 78.1 |
| 110     | 65.3 | 73.7 | 77.2 | 78.9 | 78.9 | 78.4 | 78.4  | 78.4 | 78.4  | 78.4  | 78.4 |
| 120     | 67.0 | 75.2 | 79.2 | 81.5 | 81.5 | 81.1 | 81.1  | 81.1 | 81.1  | 81.1  | 81.1 |
| 130     | 70.0 | 76.0 | 82.1 | 82.7 | 82.7 | 82.0 | 82.0  | 82.0 | 82.0  | 82.0  | 82.0 |
| 140     | 73.1 | 78.0 | 81.0 | 83.2 | 83.4 | 82.5 | 82.5  | 82.5 | 82.5  | 82.5  | 82.5 |
| 150     | 73.0 | 77.3 | 81.5 | 83.0 | 84.2 | 83.3 | 83.3  | 83.3 | 83.3  | 83.3  | 83.3 |
| 160     | 73.1 | 77.0 | 81.0 | 84.1 | 84.7 | 83.7 | 83.7  | 83.7 | 83.7  | 83.7  | 83.7 |
| 170     | 73.0 | 76.0 | 80.0 | 85.3 | 85.7 | 84.3 | 84.3  | 84.3 | 84.3  | 84.3  | 84.3 |
| 180     | 72.7 | 75.2 | 80.0 | 87.4 | 87.2 | 86.0 | 86.0  | 86.0 | 86.0  | 86.0  | 86.0 |
| 190     | 73.0 | 75.0 | 80.7 | 86.7 | 86.1 | 85.2 | 85.2  | 85.2 | 85.2  | 85.2  | 85.2 |
| 200     | 74.1 | 76.7 | 87.2 | 87.2 | 89.7 | 88.1 | 88.1  | 88.1 | 88.1  | 88.1  | 88.1 |
| 210     | 74.1 | 76.0 | 86.0 | 88.4 | 89.7 | 88.3 | 88.3  | 88.3 | 88.3  | 88.3  | 88.3 |
| 220     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 230     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 240     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 250     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 260     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 270     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 280     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 290     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 300     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 310     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 320     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 330     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 340     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 350     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 360     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 370     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 380     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 390     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 400     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 410     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 420     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 430     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 440     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 450     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 460     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 470     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 480     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 490     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |
| 500     | 74.1 | 76.0 | 86.0 | 88.7 | 89.3 | 88.6 | 88.6  | 88.6 | 88.6  | 88.6  | 88.6 |

TOTAL NUMBER OF OBSERVATIONS 500

### RELATIONSHIP OF OCCURRENCE OF COILING VERSUS VISIBILITY AND TIDE GAGE ESTIMATIONS

2-1111 55-1000: JUN 7 - MAY 16  
 2-1111 55-1000: 12-20

ITY IN STATE MILLS

[illegible]



OPERATING LOCATION: WAW  
USAF TAC, AHN-VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM JULY 1973 TO 1977

STATION NUMBER: 722270

STATION NAME: DENNIS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>5 | GE<br>3 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 63.3                        | 62.5    | 64.1    | 65.0    | 65.1    | 65.1        | 65.1    | 65.4        | 65.4        |
| GE 20000              | 72.4                        | 72.5    | 72.9    | 75.2    | 75.4    | 75.4        | 75.4    | 75.7        | 75.7        |
| GE 18000              | 63.3                        | 62.3    | 73.6    | 75.9    | 75.1    | 75.1        | 75.1    | 75.4        | 75.4        |
| GE 16000              | 63.3                        | 62.3    | 73.5    | 75.9    | 75.1    | 75.1        | 75.1    | 75.4        | 75.4        |
| GE 14000              | 64.3                        | 62.7    | 74.1    | 75.4    | 75.5    | 75.5        | 75.5    | 75.9        | 75.9        |
| GE 12000              | 65.2                        | 75.5    | 75.1    | 77.6    | 77.5    | 77.5        | 77.5    | 77.9        | 77.9        |
| GE 10000              | 65.3                        | 72.4    | 75.1    | 80.5    | 80.7    | 80.7        | 80.7    | 81.1        | 81.1        |
| GE 8000               | 65.4                        | 72.4    | 75.1    | 80.5    | 80.7    | 80.7        | 80.7    | 81.1        | 81.1        |
| GE 6000               | 65.6                        | 74.5    | 77.2    | 82.7    | 83.1    | 83.1        | 83.1    | 83.4        | 83.4        |
| GE 4000               | 65.9                        | 75.1    | 83.5    | 83.1    | 83.4    | 83.4        | 83.4    | 83.7        | 83.7        |
| GE 3000               | 65.9                        | 75.1    | 83.5    | 83.1    | 83.4    | 83.4        | 83.4    | 83.7        | 83.7        |
| GE 2000               | 69.4                        | 75.9    | 81.4    | 83.9    | 84.4    | 84.4        | 84.4    | 84.7        | 84.7        |
| GE 1500               | 71.1                        | 75.2    | 81.7    | 84.2    | 84.7    | 84.7        | 84.7    | 85.0        | 85.0        |
| GE 1000               | 71.5                        | 77.4    | 82.4    | 85.4    | 85.9    | 85.9        | 85.9    | 86.2        | 86.2        |
| GE 800                | 71.1                        | 77.2    | 84.7    | 87.4    | 87.9    | 87.9        | 87.9    | 88.2        | 88.2        |
| GE 600                | 74.1                        | 81.1    | 86.7    | 89.5    | 90.0    | 90.0        | 90.0    | 90.4        | 90.4        |
| GE 500                | 75.4                        | 81.2    | 86.4    | 89.7    | 90.2    | 90.2        | 90.2    | 90.5        | 90.5        |
| GE 400                | 75.4                        | 82.9    | 88.7    | 91.5    | 92.0    | 92.0        | 92.0    | 92.4        | 92.4        |
| GE 300                | 75.4                        | 82.9    | 88.9    | 91.7    | 92.2    | 92.2        | 92.2    | 92.5        | 92.5        |
| GE 200                | 75.8                        | 83.1    | 89.0    | 91.8    | 92.4    | 92.4        | 92.4    | 92.9        | 92.9        |
| GE 100                | 77.1                        | 85.5    | 92.5    | 92.7    | 93.2    | 93.2        | 93.4    | 93.7        | 93.7        |
| GE 1000               | 77.4                        | 83.3    | 90.0    | 93.5    | 94.4    | 94.4        | 94.5    | 94.9        | 94.9        |
| GE 900                | 77.4                        | 83.9    | 90.0    | 93.9    | 95.2    | 95.2        | 95.3    | 95.7        | 95.7        |
| GE 800                | 77.4                        | 83.9    | 90.0    | 94.4    | 95.5    | 95.5        | 95.5    | 95.8        | 95.8        |
| GE 700                | 77.4                        | 83.9    | 90.0    | 94.5    | 95.6    | 95.6        | 95.6    | 95.9        | 95.9        |
| GE 600                | 77.5                        | 84.1    | 90.2    | 94.7    | 95.2    | 95.3        | 95.5    | 95.8        | 95.8        |
| GE 500                | 77.9                        | 84.4    | 90.5    | 95.3    | 95.8    | 97.0        | 97.5    | 97.8        | 97.8        |
| GE 400                | 77.9                        | 84.5    | 90.7    | 95.0    | 97.7    | 97.3        | 94.3    | 93.7        | 93.7        |
| GE 300                | 77.9                        | 84.5    | 90.7    | 95.0    | 97.7    | 97.3        | 94.3    | 93.7        | 93.7        |
| GE 200                | 77.9                        | 84.5    | 90.7    | 95.0    | 93.9    | 93.2        | 94.7    | 93.0        | 93.3        |
| GE 100                | 77.9                        | 84.5    | 90.7    | 95.0    | 93.9    | 93.2        | 94.7    | 93.0        | 93.3        |
| GE 000                | 77.9                        | 84.5    | 90.7    | 95.0    | 93.9    | 93.2        | 94.7    | 93.0        | 93.3        |

TOTAL NUMBER OF OBSERVATIONS 602

A

0 - 2 - 77

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM AIRLY OBSERVATIONS

WFO GA PERIOD OF RECORD: JUN 74 - MAY 84  
MONTH: SEP HOURS: 21-23

| .....                    |       |       |      |       |       |       |       |       |       |       |
|--------------------------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| CEILING IN STATUTE MILES |       |       |      |       |       |       |       |       |       |       |
| CE                       | GE    | GE    | GE   | GE    | GE    | GE    | GE    | GE    | GE    | GE    |
| 2                        | 1 1/2 | 1 1/4 | 1    | 3/4   | 5/8   | 1/2   | 3/4   | 1/4   | 0     | 0     |
| .....                    |       |       |      |       |       |       |       |       |       |       |
| 1                        | 65.1  | 65.4  | 65.4 | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  |
| 4                        | 75.4  | 75.7  | 75.7 | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  | 75.7  |
| 1                        | 75.1  | 75.4  | 75.4 | 75.4  | 75.4  | 75.4  | 75.4  | 75.4  | 75.4  | 75.4  |
| 1                        | 75.1  | 75.4  | 75.4 | 75.4  | 75.4  | 75.4  | 75.4  | 75.4  | 75.4  | 75.4  |
| 1                        | 75.5  | 75.9  | 75.9 | 75.9  | 75.9  | 75.9  | 75.9  | 75.9  | 75.9  | 75.9  |
| 1                        | 77.5  | 77.9  | 77.9 | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  | 77.9  |
| 7                        | 81.7  | 81.1  | 81.1 | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  |
| 7                        | 81.7  | 81.1  | 81.1 | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  | 81.1  |
| 1                        | 83.1  | 83.4  | 83.4 | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  | 83.4  |
| 1                        | 83.4  | 83.7  | 83.7 | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  |
| 1                        | 83.4  | 83.7  | 83.7 | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  | 83.7  |
| 4                        | 84.4  | 84.7  | 84.7 | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  |
| 7                        | 85.7  | 85.0  | 85.0 | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  | 85.0  |
| 1                        | 85.7  | 85.2  | 85.2 | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  | 85.2  |
| 1                        | 87.2  | 88.2  | 88.2 | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  | 88.2  |
| 1                        | 88.3  | 89.4  | 89.4 | 89.4  | 89.4  | 89.4  | 89.4  | 89.4  | 89.4  | 89.4  |
| 1                        | 90.2  | 90.5  | 90.5 | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  | 90.5  |
| 1                        | 92.0  | 92.4  | 92.4 | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  | 92.4  |
| 1                        | 92.2  | 92.5  | 92.5 | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  | 92.5  |
| 1                        | 92.5  | 92.9  | 92.9 | 92.9  | 92.9  | 92.9  | 92.9  | 92.9  | 92.9  | 92.9  |
| 1                        | 93.4  | 93.7  | 93.7 | 93.7  | 93.7  | 93.7  | 93.7  | 93.7  | 93.7  | 93.7  |
| 4                        | 94.5  | 94.9  | 94.9 | 94.9  | 94.9  | 94.9  | 94.9  | 94.9  | 94.9  | 94.9  |
| 1                        | 95.3  | 95.7  | 95.7 | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  | 95.7  |
| 1                        | 95.3  | 95.3  | 95.3 | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  | 95.3  |
| 1                        | 95.2  | 95.5  | 95.5 | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  |
| 1                        | 95.5  | 95.8  | 95.8 | 95.8  | 95.8  | 95.8  | 95.8  | 95.8  | 95.8  | 95.8  |
| 1                        | 97.5  | 97.8  | 97.8 | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  | 98.0  |
| 1                        | 98.3  | 98.7  | 98.7 | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  |
| 1                        | 99.3  | 99.7  | 99.7 | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  | 99.2  |
| 2                        | 99.7  | 99.0  | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1                        | 99.7  | 99.0  | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1                        | 99.7  | 99.0  | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1                        | 99.7  | 99.0  | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| .....                    |       |       |      |       |       |       |       |       |       |       |

OPERATING LOCATION "A"  
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBOIS AFB GA  
LST TO UTC: + 5

DATE  
MONTH

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | SE<br>7                     | SE<br>6 | SE<br>5 | SE<br>4 | SE<br>3 | SE<br>2 1/2 | SE<br>2 | SE<br>1 1/2 | SE<br>1 1/4 | SE<br>1 |
| NO CEIL               | 43.5                        | 50.4    | 54.5    | 56.5    | 57.9    | 59.0        | 59.2    | 59.4        | 59.4        | 59.4    |
| SE 20000              | 44.1                        | 55.1    | 59.5    | 58.4    | 54.5    | 54.7        | 55.3    | 55.2        | 55.2        | 55.2    |
| SE 18000              | 44.3                        | 55.3    | 59.3    | 58.7    | 54.5    | 55.9        | 55.2    | 55.4        | 55.4        | 55.4    |
| SE 16000              | 44.4                        | 55.4    | 59.0    | 58.5    | 54.7    | 55.1        | 55.4    | 55.6        | 55.6        | 55.6    |
| SE 14000              | 44.3                        | 57.0    | 59.7    | 54.5    | 55.7    | 55.9        | 55.2    | 55.3        | 55.3        | 55.3    |
| SE 12000              | 49.5                        | 58.2    | 53.1    | 55.1    | 57.3    | 57.4        | 57.7    | 57.9        | 57.9        | 57.9    |
| SE 10000              | 52.0                        | 58.4    | 55.2    | 59.2    | 70.4    | 70.5        | 70.9    | 71.1        | 71.1        | 71.1    |
| SE 9000               | 52.2                        | 59.3    | 55.5    | 59.5    | 70.9    | 71.0        | 71.3    | 71.5        | 71.5        | 71.5    |
| SE 8000               | 53.7                        | 53.2    | 58.3    | 72.3    | 73.7    | 73.9        | 74.1    | 74.3        | 74.3        | 74.3    |
| SE 7000               | 54.2                        | 53.7    | 59.5    | 72.2    | 74.3    | 74.5        | 74.7    | 74.9        | 74.9        | 74.9    |
| SE 6000               | 54.4                        | 54.0    | 59.5    | 73.2    | 74.5    | 74.8        | 75.1    | 75.3        | 75.3        | 75.3    |
| SE 5000               | 55.3                        | 55.0    | 70.3    | 74.2    | 75.5    | 75.9        | 75.2    | 75.4        | 75.4        | 75.4    |
| SE 4500               | 55.7                        | 55.4    | 71.3    | 74.7    | 75.3    | 75.5        | 75.7    | 75.9        | 75.9        | 75.9    |
| SE 4000               | 57.0                        | 55.8    | 73.0    | 76.5    | 75.1    | 75.3        | 75.5    | 75.8        | 75.8        | 75.8    |
| SE 3500               | 58.4                        | 55.4    | 74.5    | 75.2    | 75.5    | 80.0        | 80.2    | 80.4        | 80.4        | 80.4    |
| SE 3000               | 50.2                        | 70.5    | 75.8    | 80.5    | 82.4    | 82.6        | 82.9    | 83.1        | 83.1        | 83.1    |
| SE 2500               | 55.9                        | 71.4    | 77.3    | 81.7    | 83.6    | 83.7        | 84.1    | 84.3        | 84.3        | 84.3    |
| SE 2000               | 52.1                        | 72.8    | 79.3    | 83.3    | 85.3    | 85.5        | 85.8    | 86.1        | 86.1        | 86.1    |
| SE 1800               | 52.2                        | 72.2    | 79.5    | 83.5    | 85.5    | 85.8        | 86.1    | 86.4        | 86.4        | 86.4    |
| SE 1500               | 53.0                        | 73.3    | 80.7    | 84.5    | 86.0    | 87.0        | 87.5    | 87.7        | 87.7        | 87.7    |
| SE 1200               | 53.3                        | 74.5    | 81.7    | 85.1    | 83.4    | 83.5        | 83.1    | 83.3        | 83.3        | 83.3    |
| SE 1000               | 54.2                        | 75.3    | 82.5    | 87.1    | 87.7    | 90.0        | 90.5    | 90.8        | 90.8        | 90.8    |
| SE 900                | 54.4                        | 75.5    | 82.9    | 87.5    | 90.5    | 90.9        | 91.5    | 91.7        | 91.7        | 91.7    |
| SE 800                | 54.4                        | 75.3    | 83.2    | 89.1    | 91.5    | 92.0        | 92.6    | 92.8        | 92.8        | 92.8    |
| SE 700                | 54.5                        | 75.9    | 83.5    | 88.7    | 92.4    | 93.0        | 93.7    | 94.0        | 94.0        | 94.1    |
| SE 600                | 54.6                        | 76.1    | 83.7    | 89.3    | 93.4    | 94.1        | 94.9    | 95.2        | 95.2        | 95.3    |
| SE 500                | 54.7                        | 75.3    | 84.3    | 90.1    | 94.5    | 95.4        | 95.5    | 95.5        | 95.5        | 95.5    |
| SE 400                | 54.7                        | 76.4    | 84.5    | 90.4    | 95.2    | 96.2        | 97.5    | 98.1        | 98.1        | 98.4    |
| SE 300                | 54.7                        | 75.4    | 84.5    | 90.5    | 95.3    | 96.4        | 97.0    | 98.5        | 98.7        | 99.1    |
| SE 200                | 54.7                        | 75.4    | 84.5    | 90.5    | 95.4    | 96.4        | 98.0    | 98.7        | 98.7        | 99.4    |
| SE 100                | 54.7                        | 76.4    | 84.5    | 90.5    | 95.4    | 96.4        | 98.0    | 98.7        | 98.9        | 99.4    |
| SE 000                | 54.7                        | 75.4    | 84.5    | 90.5    | 95.4    | 96.4        | 95.0    | 96.7        | 96.9        | 99.4    |

TOTAL NUMBER OF OBSERVATIONS 5549

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: 4-14 PERIOD OF RECORD: JUN 73 - MAY 84  
MONTH: SEP HOURS: ALL

| .....                 |             |             |         |           |           |           |           |           |         |
|-----------------------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| CITY IN STATUTE MILES |             |             |         |           |           |           |           |           |         |
| 0                     | SE<br>1 1/2 | SE<br>1 1/4 | SE<br>1 | SE<br>3/4 | SE<br>5/8 | SE<br>1/2 | SE<br>3/8 | SE<br>1/4 | SE<br>0 |
| .....                 |             |             |         |           |           |           |           |           |         |
| 58.2                  | 58.4        | 58.4        | 58.4    | 58.4      | 58.4      | 58.5      | 58.5      | 58.5      | 58.5    |
| 58.2                  | 58.2        | 58.2        | 58.2    | 58.2      | 58.2      | 58.2      | 58.2      | 58.2      | 58.2    |
| 58.2                  | 58.4        | 58.4        | 58.4    | 58.4      | 58.4      | 58.4      | 58.5      | 58.5      | 58.5    |
| 58.4                  | 58.6        | 58.6        | 58.6    | 58.6      | 58.6      | 58.6      | 58.6      | 58.6      | 58.6    |
| 58.2                  | 58.3        | 58.3        | 58.4    | 58.4      | 58.4      | 58.4      | 58.4      | 58.4      | 58.4    |
| 57.7                  | 57.9        | 57.9        | 57.9    | 57.9      | 57.9      | 57.9      | 57.9      | 57.9      | 57.9    |
| 71.1                  | 71.1        | 71.1        | 71.1    | 71.1      | 71.1      | 71.1      | 71.1      | 71.1      | 71.1    |
| 71.5                  | 71.5        | 71.5        | 71.5    | 71.5      | 71.5      | 71.5      | 71.5      | 71.5      | 71.5    |
| 74.1                  | 74.3        | 74.3        | 74.3    | 74.3      | 74.3      | 74.3      | 74.4      | 74.4      | 74.4    |
| 74.7                  | 74.9        | 74.9        | 75.0    | 75.0      | 75.0      | 75.0      | 75.0      | 75.0      | 75.0    |
| 75.1                  | 75.3        | 75.3        | 75.3    | 75.3      | 75.3      | 75.3      | 75.3      | 75.3      | 75.3    |
| 75.2                  | 75.4        | 75.4        | 75.4    | 75.4      | 75.4      | 75.4      | 75.5      | 75.5      | 75.5    |
| 75.7                  | 75.9        | 75.9        | 75.9    | 75.9      | 75.9      | 77.0      | 77.0      | 77.0      | 77.0    |
| 78.0                  | 78.2        | 78.3        | 78.3    | 78.3      | 78.3      | 78.3      | 78.3      | 78.3      | 78.3    |
| 80.2                  | 80.4        | 80.4        | 80.5    | 80.5      | 80.5      | 80.5      | 80.5      | 80.5      | 80.5    |
| 82.9                  | 83.1        | 83.1        | 83.1    | 83.1      | 83.1      | 83.1      | 83.1      | 83.1      | 83.1    |
| 84.1                  | 84.3        | 84.3        | 84.3    | 84.3      | 84.3      | 84.3      | 84.3      | 84.3      | 84.3    |
| 85.1                  | 85.1        | 85.1        | 85.1    | 85.1      | 85.1      | 85.1      | 85.1      | 85.1      | 85.1    |
| 85.1                  | 85.4        | 85.4        | 85.4    | 85.4      | 85.4      | 85.4      | 85.4      | 85.4      | 85.4    |
| 87.5                  | 87.7        | 87.7        | 87.7    | 87.7      | 87.7      | 87.7      | 87.8      | 87.8      | 87.8    |
| 89.1                  | 89.3        | 89.3        | 89.3    | 89.3      | 89.3      | 89.3      | 89.4      | 89.4      | 89.4    |
| 90.5                  | 90.8        | 90.8        | 90.8    | 90.8      | 90.8      | 90.9      | 90.9      | 90.9      | 90.9    |
| 91.5                  | 91.7        | 91.7        | 91.8    | 91.8      | 91.8      | 91.8      | 91.8      | 91.8      | 91.8    |
| 92.6                  | 92.8        | 92.8        | 92.9    | 92.9      | 92.9      | 92.9      | 93.0      | 93.0      | 93.0    |
| 93.7                  | 94.0        | 94.0        | 94.1    | 94.1      | 94.1      | 94.1      | 94.1      | 94.1      | 94.1    |
| 94.9                  | 95.2        | 95.2        | 95.3    | 95.3      | 95.3      | 95.3      | 95.3      | 95.4      | 95.4    |
| 95.5                  | 95.5        | 95.5        | 97.0    | 97.0      | 97.0      | 97.0      | 97.0      | 97.1      | 97.1    |
| 97.5                  | 98.1        | 98.1        | 98.4    | 98.4      | 98.4      | 98.4      | 98.4      | 98.5      | 98.5    |
| 97.9                  | 98.5        | 98.7        | 99.1    | 99.2      | 99.2      | 99.2      | 99.2      | 99.3      | 99.3    |
| 98.9                  | 98.7        | 98.9        | 99.4    | 99.5      | 99.5      | 99.6      | 99.6      | 99.7      | 99.7    |
| 98.0                  | 98.7        | 98.9        | 99.4    | 99.6      | 99.6      | 99.6      | 99.7      | 99.9      | 99.9    |
| 98.0                  | 98.7        | 98.9        | 99.4    | 99.5      | 99.6      | 99.6      | 99.7      | 99.8      | 100.0   |
| .....                 |             |             |         |           |           |           |           |           |         |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM JULY 1961 TO 1962

STATION NUMBER: 722272

STATION NAME: CUMMINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 53.0                        | 55.0    | 59.0    | 61.0    | 62.7    | 62.3        | 62.3    | 62.4        | 62.4        |
| GE 20000              | 55.3                        | 58.8    | 61.9    | 64.0    | 65.6    | 65.6        | 65.6    | 65.6        | 65.6        |
| GE 18000              | 55.2                        | 58.8    | 61.9    | 64.0    | 65.6    | 65.6        | 65.6    | 65.6        | 65.6        |
| GE 16000              | 55.2                        | 59.0    | 62.1    | 64.1    | 65.6    | 65.0        | 65.0    | 65.0        | 65.0        |
| GE 14000              | 55.2                        | 59.3    | 62.5    | 64.5    | 66.2    | 66.4        | 66.4    | 66.4        | 66.4        |
| GE 12000              | 56.0                        | 60.1    | 63.2    | 65.2    | 66.9    | 67.1        | 67.1    | 67.1        | 67.1        |
| GE 10000              | 58.8                        | 61.7    | 65.1    | 67.1    | 68.8    | 68.9        | 68.9    | 68.9        | 68.9        |
| GE 9000               | 58.9                        | 62.1    | 65.4    | 67.5    | 69.1    | 69.3        | 69.3    | 69.3        | 69.3        |
| GE 8000               | 61.6                        | 65.4    | 68.3    | 70.3    | 72.5    | 72.5        | 72.5    | 72.5        | 72.5        |
| GE 7000               | 61.9                        | 66.0    | 69.3    | 71.3    | 73.0    | 73.2        | 73.2    | 73.2        | 73.2        |
| GE 6000               | 62.1                        | 66.2    | 69.5    | 71.5    | 73.2    | 73.4        | 73.4    | 73.4        | 73.4        |
| GE 5000               | 62.7                        | 66.9    | 70.2    | 72.3    | 74.1    | 74.3        | 74.3    | 74.3        | 74.3        |
| GE 4500               | 63.2                        | 67.7    | 71.0    | 73.0    | 74.9    | 75.0        | 75.0    | 75.0        | 75.0        |
| GE 4000               | 64.5                        | 69.5    | 73.0    | 75.4    | 77.3    | 77.5        | 77.5    | 77.5        | 77.5        |
| GE 3500               | 65.1                        | 70.1    | 73.5    | 75.0    | 77.3    | 78.2        | 78.2    | 78.2        | 78.2        |
| GE 3000               | 65.6                        | 70.4    | 75.0    | 77.4    | 79.5    | 79.9        | 79.9    | 79.9        | 79.9        |
| GE 2500               | 66.2                        | 71.3    | 75.6    | 78.0    | 80.0    | 80.4        | 80.4    | 80.4        | 80.4        |
| GE 2000               | 66.5                        | 71.7    | 76.3    | 79.1    | 81.1    | 81.5        | 81.5    | 81.5        | 81.5        |
| GE 1800               | 66.9                        | 72.3    | 76.7    | 79.5    | 81.5    | 81.9        | 81.9    | 81.9        | 81.9        |
| GE 1600               | 67.5                        | 73.0    | 77.4    | 80.4    | 82.4    | 82.4        | 82.4    | 82.4        | 82.4        |
| GE 1400               | 68.5                        | 74.3    | 78.7    | 82.3    | 84.3    | 84.7        | 84.7    | 84.7        | 84.7        |
| GE 1000               | 69.3                        | 75.4    | 80.5    | 84.3    | 85.3    | 85.7        | 85.7    | 85.7        | 85.7        |
| GE 900                | 70.1                        | 75.2    | 81.5    | 85.4    | 87.4    | 87.8        | 87.8    | 87.8        | 87.8        |
| GE 800                | 70.4                        | 75.5    | 81.9    | 85.0    | 88.0    | 88.4        | 88.4    | 88.4        | 88.4        |
| GE 700                | 70.7                        | 76.3    | 82.3    | 86.5    | 88.5    | 88.9        | 88.9    | 88.9        | 88.9        |
| GE 600                | 71.3                        | 77.4    | 83.0    | 87.5    | 90.0    | 90.4        | 90.4    | 90.4        | 90.4        |
| GE 500                | 71.5                        | 77.5    | 83.7    | 88.5    | 91.1    | 91.5        | 92.1    | 92.2        | 92.2        |
| GE 400                | 71.5                        | 78.4    | 84.5    | 89.5    | 92.4    | 92.8        | 93.7    | 93.9        | 93.9        |
| GE 300                | 71.7                        | 78.4    | 84.7    | 90.2    | 93.5    | 94.3        | 95.7    | 95.9        | 95.9        |
| GE 200                | 71.5                        | 79.4    | 84.7    | 90.2    | 93.5    | 94.3        | 95.7    | 95.9        | 95.9        |
| GE 100                | 71.5                        | 79.4    | 84.7    | 90.2    | 93.7    | 94.5        | 95.9    | 96.3        | 96.3        |
| GE 50                 | 71.5                        | 79.4    | 84.7    | 90.2    | 93.7    | 94.5        | 95.9    | 96.3        | 96.3        |

TOTAL NUMBER OF OBSERVATIONS 541

A

### INCIDENCY OF OCCURRENCE OF GAILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUN 70 - MAY 81  
MONTH: OCT HOURS: 03-05

[illegible]

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM TOTAL OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |        |        |        |        |            |        |                |                |
|-----------------------|-----------------------------|--------|--------|--------|--------|------------|--------|----------------|----------------|
|                       | 6<br>7                      | 5<br>6 | 4<br>5 | 3<br>4 | 2<br>3 | 1 1/2<br>2 | 1<br>2 | 1 1/2<br>1 1/2 | 1 1/4<br>1 1/4 |
| NO CEIL               | 44.4                        | 49.9   | 52.2   | 53.3   | 54.9   | 55.5       | 56.2   | 56.5           | 56.5           |
| GE 20000              | 47.5                        | 53.2   | 55.5   | 56.3   | 56.5   | 59.1       | 59.9   | 59.2           | 59.2           |
| GE 18000              | 47.5                        | 53.2   | 55.5   | 56.3   | 56.5   | 59.1       | 59.9   | 59.2           | 59.2           |
| GE 16000              | 47.5                        | 53.2   | 55.5   | 56.3   | 56.5   | 59.1       | 59.9   | 59.2           | 59.2           |
| GE 14000              | 48.1                        | 54.2   | 56.5   | 57.7   | 57.7   | 60.4       | 61.2   | 61.5           | 61.5           |
| GE 12000              | 48.6                        | 54.7   | 57.3   | 57.6   | 60.4   | 61.2       | 61.9   | 62.3           | 62.3           |
| GE 10000              | 50.2                        | 56.9   | 59.2   | 59.5   | 62.6   | 63.3       | 64.1   | 64.4           | 64.4           |
| GE 9000               | 50.2                        | 56.9   | 59.2   | 59.5   | 62.7   | 63.4       | 64.2   | 64.5           | 64.5           |
| GE 8000               | 52.2                        | 59.4   | 61.7   | 63.1   | 65.2   | 65.9       | 66.7   | 67.0           | 67.0           |
| GE 7000               | 52.7                        | 59.7   | 62.2   | 63.5   | 65.8   | 66.5       | 67.4   | 67.5           | 67.7           |
| GE 6000               | 52.9                        | 60.1   | 62.5   | 64.0   | 66.0   | 66.8       | 67.6   | 68.1           | 68.1           |
| GE 5000               | 53.3                        | 61.0   | 63.3   | 64.3   | 67.2   | 68.0       | 68.9   | 69.4           | 69.4           |
| GE 4500               | 54.3                        | 61.5   | 64.0   | 65.5   | 68.1   | 69.3       | 69.5   | 70.2           | 70.2           |
| GE 4000               | 54.9                        | 62.5   | 65.3   | 67.2   | 70.0   | 70.9       | 71.3   | 72.3           | 72.3           |
| GE 3500               | 55.2                        | 62.8   | 65.5   | 67.5   | 70.3   | 71.2       | 72.2   | 72.5           | 72.5           |
| GE 3000               | 55.4                        | 63.0   | 65.5   | 68.0   | 70.8   | 71.5       | 72.5   | 73.0           | 73.0           |
| GE 2500               | 56.2                        | 64.2   | 67.1   | 69.4   | 72.3   | 73.1       | 74.1   | 74.5           | 74.5           |
| GE 2000               | 57.4                        | 65.5   | 68.3   | 71.1   | 74.0   | 74.5       | 75.9   | 76.5           | 76.5           |
| GE 1800               | 57.5                        | 65.9   | 69.1   | 71.4   | 74.4   | 75.3       | 76.3   | 76.9           | 76.9           |
| GE 1600               | 57.5                        | 65.9   | 70.1   | 72.5   | 75.5   | 76.5       | 77.5   | 78.2           | 78.2           |
| GE 1200               | 59.7                        | 64.5   | 71.9   | 74.5   | 77.3   | 78.8       | 80.1   | 80.5           | 80.5           |
| GE 1000               | 60.3                        | 63.5   | 73.5   | 76.3   | 80.0   | 81.1       | 82.4   | 82.9           | 82.9           |
| GE 900                | 60.5                        | 70.2   | 74.2   | 77.2   | 80.9   | 82.3       | 83.5   | 84.1           | 84.1           |
| GE 800                | 60.7                        | 70.9   | 75.4   | 78.5   | 82.3   | 83.7       | 85.1   | 85.5           | 85.5           |
| GE 700                | 61.1                        | 71.3   | 76.1   | 79.4   | 83.3   | 84.7       | 86.1   | 86.5           | 86.5           |
| GE 600                | 61.3                        | 72.5   | 77.5   | 80.9   | 85.2   | 86.8       | 88.2   | 89.1           | 89.1           |
| GE 500                | 61.3                        | 72.6   | 78.1   | 81.5   | 86.5   | 88.4       | 89.0   | 91.3           | 91.4           |
| GE 400                | 61.3                        | 72.9   | 78.5   | 82.4   | 87.4   | 89.2       | 91.2   | 92.6           | 92.7           |
| GE 300                | 61.5                        | 73.0   | 78.7   | 82.5   | 88.1   | 90.2       | 92.9   | 94.7           | 94.7           |
| GE 200                | 61.3                        | 73.0   | 78.7   | 82.5   | 88.2   | 90.3       | 93.0   | 95.3           | 95.4           |
| GE 100                | 61.5                        | 73.0   | 78.7   | 82.5   | 88.2   | 90.3       | 93.1   | 95.5           | 95.9           |

TOTAL NUMBER OF OBSERVATIONS 930

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: 64 PERIOD OF RECORD: JUN 74 - MAY 88  
MONTH: OCT HOURS: 06-08

CEILING IN STATUTE MILES

| CEILING | 0 | 1 | 1 1/2 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---------|---|---|-------|---|---|---|---|---|---|---|
| 0       | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1       | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2       | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3       | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4       | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5       | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6       | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7       | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8       | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9       | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 53      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 54      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 55      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 56      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 57      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 58      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 59      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 63      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 64      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 68      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 69      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 71      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 73      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 74      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 76      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 79      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 81      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 83      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 86      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 88      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 92      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 93      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 94      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 96      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 97      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 98      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99      | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100     | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



OPERATING LOCATION "A"  
USAFPTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722070

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 50.2                        | 55.1    | 56.3    | 56.2    | 57.3    | 57.5        | 57.5    | 57.6        | 57.7        | 57.7    |
| GE 20000              | 53.3                        | 58.3    | 59.2    | 60.6    | 61.1    | 61.3        | 61.3    | 61.4        | 61.4        | 61.4    |
| GE 18000              | 53.5                        | 58.5    | 60.1    | 60.9    | 61.3    | 61.5        | 61.5    | 61.5        | 61.5        | 61.5    |
| GE 16000              | 53.5                        | 58.5    | 60.1    | 60.9    | 61.3    | 61.5        | 61.5    | 61.5        | 61.5        | 61.5    |
| GE 14000              | 54.1                        | 59.1    | 61.0    | 61.7    | 62.3    | 62.5        | 62.6    | 62.7        | 62.7        | 62.7    |
| GE 12000              | 54.2                        | 60.1    | 62.2    | 62.9    | 63.4    | 63.8        | 63.8    | 63.9        | 63.9        | 63.9    |
| GE 10000              | 58.5                        | 63.8    | 65.1    | 67.0    | 67.5    | 67.5        | 67.5    | 67.6        | 67.6        | 67.6    |
| GE 9000               | 58.5                        | 63.8    | 65.1    | 67.0    | 67.5    | 67.5        | 67.5    | 67.6        | 67.6        | 67.6    |
| GE 8000               | 59.5                        | 65.4    | 67.7    | 68.6    | 69.2    | 69.5        | 69.5    | 69.7        | 69.7        | 69.7    |
| GE 7000               | 60.0                        | 65.8    | 68.3    | 69.5    | 70.2    | 70.5        | 70.5    | 70.6        | 70.6        | 70.6    |
| GE 6000               | 60.3                        | 65.1    | 68.5    | 69.9    | 70.5    | 70.9        | 70.9    | 71.0        | 71.0        | 71.0    |
| GE 5000               | 61.1                        | 67.2    | 69.7    | 71.1    | 71.7    | 72.0        | 72.0    | 72.2        | 72.2        | 72.2    |
| GE 4500               | 61.7                        | 68.2    | 70.6    | 72.2    | 72.9    | 73.2        | 73.2    | 73.3        | 73.3        | 73.3    |
| GE 4000               | 62.0                        | 68.5    | 71.0    | 72.7    | 73.5    | 73.7        | 73.9    | 74.0        | 74.0        | 74.0    |
| GE 3500               | 62.4                        | 69.0    | 71.5    | 73.2    | 74.1    | 74.4        | 74.4    | 74.5        | 74.5        | 74.5    |
| GE 3000               | 62.5                        | 69.2    | 71.7    | 73.3    | 74.5    | 74.9        | 74.9    | 75.2        | 75.2        | 75.2    |
| GE 2500               | 63.4                        | 70.2    | 72.8    | 74.5    | 75.7    | 75.9        | 75.9    | 76.2        | 76.2        | 76.2    |
| GE 2000               | 64.2                        | 71.4    | 74.0    | 75.1    | 77.1    | 77.4        | 77.4    | 77.5        | 77.7        | 77.7    |
| GE 1800               | 64.7                        | 72.0    | 74.7    | 75.2    | 77.3    | 77.2        | 77.2    | 77.4        | 77.5        | 77.5    |
| GE 1500               | 65.4                        | 72.9    | 76.0    | 76.2    | 77.1    | 77.5        | 77.5    | 77.7        | 77.7        | 77.7    |
| GE 1200               | 67.1                        | 75.4    | 78.9    | 81.2    | 82.4    | 82.7        | 82.7    | 82.9        | 83.0        | 83.0    |
| GE 1000               | 68.0                        | 77.0    | 80.5    | 82.9    | 84.1    | 84.4        | 84.5    | 84.7        | 84.8        | 84.8    |
| GE 900                | 68.1                        | 77.5    | 81.5    | 83.3    | 84.9    | 85.3        | 85.3    | 85.3        | 85.3        | 85.3    |
| GE 800                | 68.1                        | 77.9    | 81.7    | 84.4    | 86.0    | 86.3        | 86.5    | 86.9        | 87.1        | 87.1    |
| GE 700                | 68.1                        | 78.9    | 83.2    | 85.9    | 87.8    | 88.5        | 88.7    | 89.2        | 89.5        | 89.5    |
| GE 600                | 68.1                        | 79.5    | 84.4    | 87.5    | 89.8    | 90.8        | 91.4    | 91.7        | 91.9        | 91.9    |
| GE 500                | 68.1                        | 79.7    | 84.7    | 88.3    | 91.5    | 92.5        | 93.5    | 94.0        | 94.3        | 94.3    |
| GE 400                | 68.1                        | 79.7    | 84.8    | 88.7    | 92.8    | 94.0        | 95.0    | 95.1        | 95.5        | 95.5    |
| GE 300                | 68.1                        | 79.8    | 84.8    | 88.9    | 92.9    | 94.3        | 95.2    | 95.5        | 97.0        | 97.0    |
| GE 200                | 68.1                        | 79.8    | 84.8    | 88.9    | 92.9    | 94.3        | 95.3    | 96.7        | 97.1        | 97.1    |
| GE 100                | 68.1                        | 79.5    | 84.3    | 88.9    | 92.9    | 94.3        | 95.3    | 96.7        | 97.1        | 97.1    |

TOTAL NUMBER OF OBSERVATIONS 932

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AREA: GA PERIOD OF RECORD: JUN 73 - MAY 81  
MONTH: OCT HOURS: 09-11

.....  
VISIBILITY IN STATUTE MILES

|    | GE<br>2 | GF<br>1 1/2 | GF<br>1 1/4 | GF<br>1 | GE<br>3/4 | GE<br>5/8 | GF<br>1/2 | GF<br>3/8 | GE<br>1/4 | GF<br>0 |
|----|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 5  | 57.5    | 57.5        | 57.5        | 57.5    | 57.5      | 57.5      | 57.5      | 57.5      | 57.5      | 57.5    |
| 6  | 51.3    | 51.4        | 51.4        | 51.4    | 51.4      | 51.4      | 51.4      | 51.4      | 51.4      | 51.4    |
| 7  | 51.5    | 51.5        | 51.5        | 51.5    | 51.5      | 51.5      | 51.5      | 51.5      | 51.5      | 51.5    |
| 8  | 51.5    | 51.5        | 51.5        | 51.5    | 51.5      | 51.5      | 51.5      | 51.5      | 51.5      | 51.5    |
| 9  | 52.6    | 52.7        | 52.7        | 52.7    | 52.7      | 52.7      | 52.7      | 52.7      | 52.7      | 52.7    |
| 10 | 53.8    | 53.9        | 53.9        | 53.9    | 53.9      | 53.9      | 53.9      | 53.9      | 53.9      | 53.9    |
| 11 | 57.5    | 58.0        | 58.0        | 58.0    | 58.0      | 58.0      | 58.0      | 58.0      | 58.0      | 58.0    |
| 12 | 57.5    | 58.0        | 58.0        | 58.0    | 58.0      | 58.0      | 58.0      | 58.0      | 58.0      | 58.0    |
| 13 | 59.6    | 59.7        | 59.7        | 59.7    | 59.7      | 59.7      | 59.7      | 59.7      | 59.7      | 59.7    |
| 14 | 70.5    | 70.5        | 70.5        | 70.5    | 70.5      | 70.5      | 70.5      | 70.5      | 70.5      | 70.5    |
| 15 | 70.9    | 71.0        | 71.0        | 71.0    | 71.0      | 71.0      | 71.0      | 71.0      | 71.0      | 71.0    |
| 16 | 72.0    | 72.2        | 72.2        | 72.2    | 72.2      | 72.2      | 72.2      | 72.2      | 72.2      | 72.2    |
| 17 | 73.2    | 73.3        | 73.3        | 73.3    | 73.3      | 73.3      | 73.3      | 73.3      | 73.3      | 73.3    |
| 18 | 73.9    | 74.0        | 74.0        | 74.0    | 74.0      | 74.0      | 74.0      | 74.0      | 74.0      | 74.0    |
| 19 | 74.4    | 74.5        | 74.5        | 74.5    | 74.5      | 74.5      | 74.5      | 74.5      | 74.5      | 74.5    |
| 20 | 74.9    | 75.2        | 75.2        | 75.2    | 75.2      | 75.2      | 75.2      | 75.2      | 75.2      | 75.2    |
| 21 | 75.5    | 75.2        | 75.2        | 75.2    | 75.2      | 75.2      | 75.2      | 75.2      | 75.2      | 75.2    |
| 22 | 77.4    | 77.5        | 77.7        | 77.7    | 77.7      | 77.7      | 77.7      | 77.7      | 77.7      | 77.7    |
| 23 | 78.2    | 78.4        | 78.5        | 78.5    | 78.5      | 78.5      | 78.5      | 78.5      | 78.5      | 78.5    |
| 24 | 79.5    | 79.7        | 79.8        | 79.8    | 79.8      | 79.8      | 79.8      | 79.8      | 79.8      | 79.8    |
| 25 | 82.7    | 82.9        | 83.0        | 83.1    | 83.1      | 83.1      | 83.1      | 83.1      | 83.1      | 83.1    |
| 26 | 84.5    | 84.7        | 84.8        | 84.8    | 84.8      | 84.9      | 84.9      | 84.9      | 84.9      | 84.9    |
| 27 | 85.5    | 85.8        | 85.9        | 85.9    | 85.9      | 85.9      | 85.9      | 85.9      | 85.9      | 85.9    |
| 28 | 86.5    | 86.9        | 87.1        | 87.2    | 87.2      | 87.2      | 87.2      | 87.2      | 87.2      | 87.2    |
| 29 | 88.3    | 89.2        | 89.5        | 89.5    | 89.5      | 89.5      | 89.5      | 89.5      | 89.5      | 89.5    |
| 30 | 91.4    | 91.7        | 91.9        | 92.2    | 92.2      | 92.2      | 92.2      | 92.2      | 92.2      | 92.2    |
| 31 | 93.5    | 94.0        | 94.3        | 94.5    | 94.5      | 94.5      | 94.5      | 94.5      | 94.5      | 94.5    |
| 32 | 95.5    | 95.8        | 95.9        | 95.9    | 95.9      | 95.9      | 95.9      | 95.9      | 95.9      | 95.9    |
| 33 | 95.8    | 96.5        | 97.0        | 97.4    | 97.8      | 97.8      | 97.8      | 97.8      | 97.8      | 97.8    |
| 34 | 95.8    | 96.7        | 97.1        | 97.5    | 98.2      | 98.4      | 98.7      | 98.7      | 98.7      | 98.7    |
| 35 | 95.8    | 96.7        | 97.1        | 97.7    | 98.5      | 98.9      | 99.4      | 99.5      | 99.7      | 99.7    |
| 36 | 95.8    | 96.7        | 97.1        | 97.7    | 98.5      | 98.9      | 99.5      | 99.7      | 100.0     | 100.0   |
| 37 | 95.8    | 96.7        | 97.1        | 97.7    | 98.5      | 98.9      | 99.5      | 99.7      | 100.0     | 100.0   |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS APP GA  
LST TO UTC: + 5

0-1  
1-10

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>4 | GE<br>3 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 54.3                        | 55.2    | 57.3    | 57.3    | 57.3    | 57.3        | 57.3    | 57.3        | 57.3        | 57.3    |
| GE 20000              | 61.5                        | 64.5    | 64.9    | 64.9    | 64.9    | 64.9        | 64.9    | 64.9        | 64.9        | 64.9    |
| GE 18000              | 61.3                        | 64.7    | 65.2    | 65.2    | 65.2    | 65.2        | 65.2    | 65.2        | 65.2        | 65.2    |
| GE 16000              | 61.7                        | 64.8    | 65.3    | 65.3    | 65.3    | 65.3        | 65.3    | 65.3        | 65.3        | 65.3    |
| GE 14000              | 62.0                        | 65.3    | 65.7    | 65.7    | 65.7    | 65.7        | 65.7    | 65.7        | 65.7        | 65.7    |
| GE 12000              | 62.9                        | 65.1    | 65.5    | 65.5    | 65.5    | 65.5        | 65.5    | 65.5        | 65.5        | 65.5    |
| GE 10000              | 65.1                        | 68.4    | 68.3    | 68.3    | 68.3    | 68.3        | 68.3    | 68.3        | 68.3        | 68.3    |
| GE 8000               | 65.4                        | 68.7    | 69.2    | 69.2    | 69.2    | 69.2        | 69.2    | 69.2        | 69.2        | 69.2    |
| GE 6000               | 69.2                        | 70.4    | 71.1    | 71.1    | 71.1    | 71.1        | 71.1    | 71.1        | 71.1        | 71.1    |
| GE 4000               | 67.2                        | 71.0    | 71.7    | 71.7    | 71.7    | 71.7        | 71.7    | 71.7        | 71.7        | 71.7    |
| GE 3000               | 67.3                        | 71.2    | 72.0    | 72.0    | 72.0    | 72.0        | 72.0    | 72.0        | 72.0        | 72.0    |
| GE 2000               | 69.2                        | 73.1    | 74.1    | 74.1    | 74.1    | 74.1        | 74.1    | 74.1        | 74.1        | 74.1    |
| GE 1800               | 69.7                        | 73.8    | 74.7    | 74.7    | 74.7    | 74.7        | 74.7    | 74.7        | 74.7        | 74.7    |
| GE 1600               | 71.5                        | 75.7    | 76.7    | 76.7    | 76.7    | 76.7        | 76.7    | 76.7        | 76.7        | 76.7    |
| GE 1400               | 72.3                        | 76.5    | 77.4    | 77.4    | 77.5    | 77.5        | 77.5    | 77.5        | 77.5        | 77.5    |
| GE 1200               | 75.1                        | 79.4    | 80.4    | 80.4    | 80.5    | 80.5        | 80.5    | 80.5        | 80.5        | 80.5    |
| GE 1000               | 77.0                        | 81.5    | 82.5    | 82.5    | 82.8    | 82.8        | 82.8    | 82.8        | 82.8        | 82.8    |
| GE 800                | 78.5                        | 83.4    | 84.5    | 84.5    | 84.7    | 84.7        | 84.7    | 84.7        | 84.7        | 84.7    |
| GE 600                | 78.7                        | 83.9    | 84.9    | 84.9    | 85.4    | 85.4        | 85.4    | 85.4        | 85.4        | 85.4    |
| GE 400                | 79.5                        | 85.6    | 86.5    | 86.5    | 87.2    | 87.2        | 87.2    | 87.2        | 87.2        | 87.2    |
| GE 200                | 80.5                        | 86.9    | 87.1    | 87.1    | 87.9    | 87.9        | 87.9    | 87.9        | 87.9        | 87.9    |
| GE 100                | 80.5                        | 87.2    | 88.5    | 88.5    | 89.2    | 89.2        | 89.2    | 89.2        | 89.2        | 89.2    |
| GE 500                | 81.3                        | 89.4    | 92.2    | 94.1    | 95.5    | 95.9        | 95.8    | 97.1        | 97.3        | 97.3    |
| GE 400                | 81.3                        | 89.4    | 92.3    | 94.5    | 95.0    | 95.5        | 97.4    | 97.7        | 98.0        | 98.0    |
| GE 300                | 81.3                        | 89.4    | 92.3    | 94.5    | 95.0    | 95.5        | 97.4    | 97.8        | 98.1        | 98.1    |
| GE 200                | 81.3                        | 89.4    | 92.3    | 94.5    | 95.0    | 95.5        | 97.4    | 98.1        | 98.4        | 98.4    |
| GE 100                | 81.3                        | 89.4    | 92.3    | 94.5    | 95.0    | 95.5        | 97.4    | 98.1        | 98.4        | 98.4    |
| GE 500                | 81.3                        | 89.4    | 92.3    | 94.5    | 95.0    | 95.5        | 97.4    | 98.1        | 98.4        | 98.4    |

TOTAL NUMBER OF OBSERVATIONS 930

A

1 - 2 - 32

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: 3A PERIOD OF RECORD: JUN 75 - MAY 88  
MONTH: OCT HOURS: 12-14

| .....                       |             |             |         |           |           |           |           |           |         |       |
|-----------------------------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|-------|
| VISIBILITY IN STATUTE MILES |             |             |         |           |           |           |           |           |         |       |
| 0                           | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/5 | GE<br>1/4 | GE<br>0 |       |
| .....                       |             |             |         |           |           |           |           |           |         |       |
| 57.3                        | 57.3        | 57.3        | 57.3    | 57.3      | 57.3      | 57.3      | 57.3      | 57.3      | 57.3    | 57.3  |
| 54.9                        | 54.9        | 54.9        | 54.9    | 54.9      | 54.9      | 54.9      | 54.9      | 54.9      | 54.9    | 54.9  |
| 55.2                        | 55.2        | 55.2        | 55.2    | 55.2      | 55.2      | 55.2      | 55.2      | 55.2      | 55.2    | 55.2  |
| 55.3                        | 55.3        | 55.3        | 55.3    | 55.3      | 55.3      | 55.3      | 55.3      | 55.3      | 55.3    | 55.3  |
| 55.7                        | 55.7        | 55.7        | 55.7    | 55.7      | 55.7      | 55.7      | 55.7      | 55.7      | 55.7    | 55.7  |
| 55.5                        | 55.5        | 55.5        | 55.5    | 55.5      | 55.5      | 55.5      | 55.5      | 55.5      | 55.5    | 55.5  |
| 57.3                        | 57.3        | 57.3        | 57.3    | 57.3      | 57.3      | 57.3      | 57.3      | 57.3      | 57.3    | 57.3  |
| 57.2                        | 57.2        | 57.2        | 57.2    | 57.2      | 57.2      | 57.2      | 57.2      | 57.2      | 57.2    | 57.2  |
| 71.1                        | 71.1        | 71.1        | 71.1    | 71.1      | 71.1      | 71.1      | 71.1      | 71.1      | 71.1    | 71.1  |
| 71.7                        | 71.7        | 71.7        | 71.7    | 71.7      | 71.7      | 71.7      | 71.7      | 71.7      | 71.7    | 71.7  |
| 72.0                        | 72.0        | 72.0        | 72.0    | 72.0      | 72.0      | 72.0      | 72.0      | 72.0      | 72.0    | 72.0  |
| 74.1                        | 74.1        | 74.1        | 74.1    | 74.1      | 74.1      | 74.1      | 74.1      | 74.1      | 74.1    | 74.1  |
| 74.7                        | 74.7        | 74.7        | 74.7    | 74.7      | 74.7      | 74.7      | 74.7      | 74.7      | 74.7    | 74.7  |
| 75.5                        | 75.5        | 75.5        | 75.5    | 75.5      | 75.5      | 75.5      | 75.5      | 75.5      | 75.5    | 75.5  |
| 77.5                        | 77.5        | 77.5        | 77.5    | 77.5      | 77.5      | 77.5      | 77.5      | 77.5      | 77.5    | 77.5  |
| 80.5                        | 80.5        | 80.5        | 80.5    | 80.5      | 80.5      | 80.5      | 80.5      | 80.5      | 80.5    | 80.5  |
| 83.0                        | 83.0        | 83.0        | 83.0    | 83.0      | 83.0      | 83.0      | 83.0      | 83.0      | 83.0    | 83.0  |
| 85.1                        | 85.1        | 85.1        | 85.1    | 85.1      | 85.1      | 85.1      | 85.1      | 85.1      | 85.1    | 85.1  |
| 85.5                        | 85.5        | 85.5        | 85.5    | 85.5      | 85.5      | 85.5      | 85.5      | 85.5      | 85.5    | 85.5  |
| 87.6                        | 87.6        | 87.6        | 87.6    | 87.6      | 87.6      | 87.6      | 87.6      | 87.6      | 87.6    | 87.6  |
| 89.5                        | 89.5        | 89.5        | 89.5    | 89.5      | 89.5      | 89.5      | 89.5      | 89.5      | 89.5    | 89.5  |
| 90.5                        | 90.5        | 90.5        | 90.5    | 90.5      | 90.5      | 90.5      | 90.5      | 90.5      | 90.5    | 90.5  |
| 91.4                        | 91.4        | 91.4        | 91.4    | 91.4      | 91.4      | 91.4      | 91.4      | 91.4      | 91.4    | 91.4  |
| 92.6                        | 92.6        | 92.6        | 92.6    | 92.6      | 92.6      | 92.6      | 92.6      | 92.6      | 92.6    | 92.6  |
| 94.0                        | 94.0        | 94.0        | 94.0    | 94.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0    | 94.0  |
| 95.0                        | 95.1        | 95.1        | 95.2    | 95.2      | 95.2      | 95.2      | 95.2      | 95.2      | 95.2    | 95.2  |
| 97.1                        | 97.1        | 97.3        | 97.4    | 97.4      | 97.4      | 97.4      | 97.4      | 97.4      | 97.4    | 97.4  |
| 97.4                        | 97.7        | 98.0        | 98.1    | 98.2      | 98.2      | 98.2      | 98.2      | 98.2      | 98.2    | 98.2  |
| 97.4                        | 97.4        | 98.1        | 98.3    | 98.5      | 98.5      | 98.6      | 98.6      | 98.6      | 98.6    | 98.6  |
| 97.4                        | 98.1        | 98.4        | 98.7    | 99.1      | 99.1      | 99.5      | 99.5      | 99.6      | 99.6    | 99.6  |
| 97.4                        | 98.1        | 98.4        | 98.7    | 99.2      | 99.2      | 99.6      | 99.6      | 99.9      | 99.9    | 100.0 |
| 97.4                        | 98.1        | 98.4        | 98.7    | 99.2      | 99.2      | 99.6      | 99.6      | 99.9      | 99.9    | 100.0 |
| .....                       |             |             |         |           |           |           |           |           |         |       |

OPERATING LOCATION "1"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
EACH TYPE OF STATE

STATIDN 49000: 722070

STATION NAME : DUBBINS AFB GA  
LST TO UTC : + 5

[illegible]

TOTAL NUMBER OF OBSERVATIONS 435

## 134

CITY OF ST. LOUIS, MISSOURI

- 3 -

OPERATING LOCATION "A"  
UGARITAC, ASPH-VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE  
OF EACH VISIBILITY OBSERVATION

STATION NUMBER: 722270

STATION NAME: DELAINS AFB GA  
LST TO UTC: + 5

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FOOT | 6-<br>7 | 8-<br>9 | 10-<br>15 | 16-<br>24 | 25-<br>33 | 34-<br>49 1/2 | 50-<br>69 1/2 | 70-<br>99 1/2 | 100-<br>149 1/2 | 150-<br>199 1/2 |
|------------|---------|---------|-----------|-----------|-----------|---------------|---------------|---------------|-----------------|-----------------|
| NO CEIL    | 61.6    | 63.9    | 64.0      | 64.6      | 64.6      | 64.6          | 64.6          | 64.6          | 64.6            | 64.6            |
| GE 20000   | 73.4    | 72.6    | 72.3      | 73.4      | 73.4      | 73.4          | 73.4          | 73.4          | 73.4            | 73.4            |
| GE 18000   | 69.3    | 72.6    | 72.3      | 73.4      | 73.4      | 73.4          | 73.4          | 73.4          | 73.4            | 73.4            |
| GE 16000   | 69.3    | 72.6    | 72.3      | 73.4      | 73.4      | 73.4          | 73.4          | 73.4          | 73.4            | 73.4            |
| GE 14000   | 70.1    | 72.7    | 73.0      | 73.9      | 73.9      | 73.9          | 73.9          | 73.9          | 73.9            | 73.9            |
| GE 12000   | 71.3    | 74.7    | 75.1      | 75.7      | 75.7      | 75.7          | 75.7          | 75.7          | 75.7            | 75.7            |
| GE 10000   | 74.7    | 77.5    | 78.0      | 78.5      | 78.5      | 78.5          | 78.5          | 78.5          | 78.5            | 78.5            |
| GE 9000    | 75.1    | 78.2    | 78.3      | 78.9      | 78.9      | 78.9          | 78.9          | 78.9          | 78.9            | 78.9            |
| GE 8000    | 75.5    | 80.1    | 80.4      | 81.1      | 81.3      | 81.3          | 81.3          | 81.3          | 81.3            | 81.3            |
| GE 7000    | 77.1    | 82.9    | 81.3      | 81.7      | 82.3      | 82.3          | 82.3          | 82.3          | 82.3            | 82.3            |
| GE 6000    | 77.1    | 85.7    | 81.3      | 81.9      | 82.3      | 82.3          | 82.3          | 82.3          | 82.3            | 82.3            |
| GE 5000    | 77.3    | 81.9    | 82.0      | 82.7      | 83.0      | 83.0          | 83.0          | 83.0          | 83.0            | 83.0            |
| GE 4500    | 77.7    | 82.3    | 82.7      | 83.3      | 83.7      | 83.7          | 83.7          | 83.7          | 83.7            | 83.7            |
| GE 4000    | 77.6    | 82.6    | 83.3      | 84.4      | 84.7      | 84.7          | 84.7          | 84.7          | 84.7            | 84.7            |
| GE 3500    | 77.4    | 82.9    | 84.2      | 85.6      | 85.9      | 85.9          | 85.9          | 85.9          | 85.9            | 85.9            |
| GE 3000    | 81.2    | 88.7    | 87.5      | 87.6      | 88.2      | 88.2          | 88.2          | 88.2          | 88.2            | 88.2            |
| GE 2500    | 82.0    | 86.7    | 88.0      | 88.5      | 89.1      | 89.4          | 89.4          | 89.4          | 89.4            | 89.4            |
| GE 2000    | 82.3    | 87.7    | 88.4      | 89.2      | 89.3      | 89.7          | 89.9          | 89.9          | 89.9            | 89.9            |
| GE 1800    | 82.3    | 87.5    | 88.4      | 89.1      | 89.9      | 89.1          | 89.1          | 89.1          | 89.1            | 89.1            |
| GE 1600    | 82.3    | 87.2    | 88.5      | 89.4      | 89.1      | 89.4          | 89.5          | 89.5          | 89.5            | 89.5            |
| GE 1400    | 82.5    | 87.5    | 89.0      | 89.9      | 89.5      | 91.1          | 91.2          | 91.3          | 91.3            | 91.3            |
| GE 1200    | 82.7    | 88.2    | 89.5      | 90.5      | 91.4      | 92.2          | 92.3          | 92.4          | 92.4            | 92.4            |
| GE 1000    | 82.7    | 88.2    | 89.5      | 90.5      | 91.3      | 92.3          | 92.4          | 92.5          | 92.5            | 92.5            |
| GE 900     | 82.3    | 88.3    | 89.3      | 90.6      | 92.4      | 92.7          | 92.8          | 92.9          | 92.9            | 92.9            |
| GE 800     | 82.4    | 88.4    | 90.1      | 91.3      | 92.3      | 93.1          | 93.2          | 93.3          | 93.3            | 93.3            |
| GE 700     | 82.3    | 88.5    | 90.5      | 92.0      | 93.9      | 94.2          | 94.3          | 94.4          | 94.4            | 94.4            |
| GE 600     | 82.4    | 88.5    | 90.6      | 92.5      | 94.7      | 95.2          | 95.3          | 95.5          | 95.5            | 95.5            |
| GE 500     | 82.4    | 88.5    | 90.9      | 93.0      | 95.3      | 95.2          | 95.3          | 97.1          | 97.1            | 97.1            |
| GE 400     | 82.3    | 88.5    | 91.0      | 93.1      | 95.1      | 95.5          | 97.3          | 95.1          | 93.1            | 93.1            |
| GE 300     | 82.4    | 88.5    | 91.0      | 93.1      | 95.1      | 95.7          | 98.0          | 98.3          | 98.3            | 98.3            |
| GE 200     | 82.3    | 88.5    | 91.0      | 93.1      | 95.1      | 95.7          | 98.2          | 99.1          | 99.1            | 99.1            |
| GE 100     | 82.3    | 88.5    | 91.0      | 93.1      | 95.1      | 95.7          | 98.2          | 99.1          | 99.1            | 99.1            |
| GE 000     | 82.3    | 88.5    | 91.0      | 93.1      | 95.1      | 95.7          | 98.2          | 99.1          | 99.1            | 99.1            |

TOTAL NUMBER OF OBSERVATIONS 930

# FREQUENCY OF OCCURRENCE OF CHILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: 34 PERIOD OF RECORD: JUL 75 - MAY 98  
 MONTH: OCT HOURS: 12-20

.....  
 DISTANCE IN STATUTE MILES

| 0     | 5E<br>1/2 | 5E<br>1 1/2 | 5E<br>1 1/4 | 5E<br>1 | 5E<br>3/4 | 5E<br>5/8 | 5E<br>1/2 | 5E<br>3/8 | 5E<br>1/4 | 5E<br>0 |
|-------|-----------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 64.6  | 64.6      | 64.6        | 64.6        | 64.6    | 64.6      | 64.6      | 64.6      | 64.6      | 64.6      | 64.6    |
| 73.4  | 73.4      | 73.4        | 73.4        | 73.4    | 73.4      | 73.4      | 73.4      | 73.4      | 73.4      | 73.4    |
| 73.4  | 73.4      | 73.4        | 73.4        | 73.4    | 73.4      | 73.4      | 73.4      | 73.4      | 73.4      | 73.4    |
| 73.4  | 73.4      | 73.4        | 73.4        | 73.4    | 73.4      | 73.4      | 73.4      | 73.4      | 73.4      | 73.4    |
| 73.9  | 73.9      | 73.9        | 73.9        | 73.9    | 73.9      | 73.9      | 73.9      | 73.9      | 73.9      | 73.9    |
| 75.7  | 75.7      | 75.7        | 75.7        | 75.7    | 75.7      | 75.7      | 75.7      | 75.7      | 75.7      | 75.7    |
| 78.5  | 78.5      | 78.5        | 78.5        | 78.5    | 78.5      | 78.5      | 78.5      | 78.5      | 78.5      | 78.5    |
| 78.9  | 78.9      | 78.9        | 78.9        | 78.9    | 78.9      | 78.9      | 78.9      | 78.9      | 78.9      | 78.9    |
| 81.3  | 81.3      | 81.3        | 81.3        | 81.3    | 81.3      | 81.3      | 81.3      | 81.3      | 81.3      | 81.3    |
| 82.3  | 82.3      | 82.3        | 82.3        | 82.3    | 82.3      | 82.3      | 82.3      | 82.3      | 82.3      | 82.3    |
| 82.3  | 82.3      | 82.3        | 82.3        | 82.3    | 82.3      | 82.3      | 82.3      | 82.3      | 82.3      | 82.3    |
| 83.0  | 83.0      | 83.0        | 83.0        | 83.0    | 83.0      | 83.0      | 83.0      | 83.0      | 83.0      | 83.0    |
| 83.7  | 83.7      | 83.7        | 83.7        | 83.7    | 83.7      | 83.7      | 83.7      | 83.7      | 83.7      | 83.7    |
| 84.7  | 84.7      | 84.7        | 84.7        | 84.7    | 84.7      | 84.7      | 84.7      | 84.7      | 84.7      | 84.7    |
| 85.9  | 85.9      | 85.9        | 85.9        | 85.9    | 85.9      | 85.9      | 85.9      | 85.9      | 85.9      | 85.9    |
| 88.2  | 88.2      | 88.2        | 88.2        | 88.2    | 88.2      | 88.2      | 88.2      | 88.2      | 88.2      | 88.2    |
| 89.4  | 89.4      | 89.4        | 89.4        | 89.4    | 89.4      | 89.4      | 89.4      | 89.4      | 89.4      | 89.4    |
| 90.0  | 90.0      | 90.0        | 90.0        | 90.0    | 90.0      | 90.0      | 90.0      | 90.0      | 90.0      | 90.0    |
| 90.1  | 90.1      | 90.1        | 90.1        | 90.1    | 90.1      | 90.1      | 90.1      | 90.1      | 90.1      | 90.1    |
| 90.5  | 90.5      | 90.5        | 90.5        | 90.5    | 90.5      | 90.5      | 90.5      | 90.5      | 90.5      | 90.5    |
| 91.3  | 91.3      | 91.3        | 91.3        | 91.3    | 91.3      | 91.3      | 91.3      | 91.3      | 91.3      | 91.3    |
| 92.4  | 92.4      | 92.4        | 92.4        | 92.4    | 92.4      | 92.4      | 92.4      | 92.4      | 92.4      | 92.4    |
| 92.4  | 92.5      | 92.5        | 92.5        | 92.5    | 92.5      | 92.5      | 92.5      | 92.5      | 92.5      | 92.5    |
| 92.9  | 92.9      | 92.9        | 92.9        | 92.9    | 92.9      | 92.9      | 92.9      | 92.9      | 92.9      | 92.9    |
| 93.3  | 93.3      | 93.3        | 93.3        | 93.3    | 93.3      | 93.3      | 93.3      | 93.3      | 93.3      | 93.3    |
| 94.4  | 94.4      | 94.4        | 94.4        | 94.4    | 94.4      | 94.4      | 94.4      | 94.4      | 94.4      | 94.4    |
| 95.5  | 95.5      | 95.5        | 95.5        | 95.5    | 95.5      | 95.5      | 95.5      | 95.5      | 95.5      | 95.5    |
| 97.1  | 97.1      | 97.1        | 97.2        | 97.2    | 97.2      | 97.2      | 97.2      | 97.2      | 97.2      | 97.2    |
| 97.3  | 98.1      | 98.1        | 98.2        | 98.4    | 98.5      | 98.5      | 98.5      | 98.5      | 98.5      | 98.5    |
| 98.9  | 98.9      | 98.9        | 99.0        | 99.2    | 99.4      | 99.4      | 99.4      | 99.4      | 99.4      | 99.4    |
| 99.2  | 99.1      | 99.1        | 99.4        | 99.5    | 99.7      | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| 99.8  | 99.1      | 99.1        | 99.4        | 99.6    | 99.7      | 100.0     | 100.0     | 100.0     | 100.0     | 100.0   |
| ..... | .....     | .....       | .....       | .....   | .....     | .....     | .....     | .....     | .....     | .....   |



OPERATING LOCATION "AW"  
USAFETAC, ASHLVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: COBBINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 62.3                        | 64.7    | 65.1    | 65.4    | 65.4    | 65.4        | 65.6    | 65.6        | 65.6        |
| GE 20000              | 67.7                        | 70.1    | 70.5    | 70.8    | 70.8    | 70.8        | 71.0    | 71.0        | 71.0        |
| GE 18000              | 67.7                        | 70.1    | 70.5    | 70.8    | 70.8    | 70.8        | 71.0    | 71.0        | 71.0        |
| GE 16000              | 67.7                        | 70.1    | 70.5    | 70.8    | 70.8    | 70.8        | 71.0    | 71.0        | 71.0        |
| GE 14000              | 68.0                        | 70.4    | 71.0    | 71.3    | 71.3    | 71.3        | 71.4    | 71.4        | 71.4        |
| GE 12000              | 68.7                        | 71.1    | 71.7    | 72.0    | 72.0    | 72.0        | 72.2    | 72.2        | 72.2        |
| GE 10000              | 70.6                        | 72.9    | 73.7    | 74.0    | 74.0    | 74.0        | 74.1    | 74.1        | 74.1        |
| GE 9000               | 70.6                        | 72.9    | 73.7    | 74.0    | 74.0    | 74.0        | 74.1    | 74.1        | 74.1        |
| GE 8000               | 71.9                        | 74.6    | 75.5    | 75.1    | 75.1    | 75.1        | 75.2    | 75.2        | 75.2        |
| GE 7000               | 72.2                        | 74.9    | 75.4    | 77.1    | 77.1    | 77.1        | 77.3    | 77.3        | 77.3        |
| GE 6000               | 72.6                        | 75.5    | 77.1    | 77.9    | 77.9    | 77.9        | 78.0    | 78.0        | 78.0        |
| GE 5000               | 73.1                        | 75.9    | 77.7    | 78.5    | 78.5    | 78.5        | 78.5    | 78.5        | 78.5        |
| GE 4500               | 73.1                        | 76.1    | 77.9    | 78.5    | 78.5    | 78.5        | 78.5    | 78.5        | 78.5        |
| GE 4000               | 74.1                        | 77.3    | 79.7    | 80.5    | 80.5    | 80.5        | 80.5    | 80.5        | 80.5        |
| GE 3500               | 75.0                        | 78.2    | 80.5    | 81.4    | 81.4    | 81.4        | 81.5    | 81.5        | 81.5        |
| GE 3000               | 75.9                        | 80.0    | 83.2    | 83.9    | 84.4    | 84.4        | 84.5    | 84.5        | 84.5        |
| GE 2500               | 77.5                        | 80.8    | 83.9    | 84.7    | 85.1    | 85.1        | 85.3    | 85.3        | 85.3        |
| GE 2000               | 79.3                        | 83.5    | 85.3    | 87.7    | 88.1    | 88.1        | 88.3    | 88.3        | 88.3        |
| GE 1800               | 80.0                        | 83.5    | 85.9    | 87.5    | 88.3    | 88.3        | 88.4    | 88.4        | 88.4        |
| GE 1500               | 80.5                        | 84.1    | 87.7    | 88.5    | 89.0    | 89.0        | 89.2    | 89.2        | 89.2        |
| GE 1200               | 80.5                        | 84.1    | 87.7    | 88.9    | 89.3    | 89.3        | 89.5    | 89.5        | 89.5        |
| GE 1000               | 81.1                        | 84.7    | 88.5    | 90.4    | 90.8    | 90.8        | 91.0    | 91.0        | 91.0        |
| GE 900                | 81.1                        | 84.3    | 88.7    | 90.5    | 91.1    | 91.1        | 91.3    | 91.3        | 91.3        |
| GE 800                | 81.1                        | 85.0    | 88.9    | 90.8    | 91.5    | 91.5        | 91.7    | 91.7        | 91.7        |
| GE 700                | 81.1                        | 85.0    | 89.0    | 91.5    | 92.5    | 92.5        | 92.6    | 92.6        | 92.6        |
| GE 600                | 81.1                        | 85.0    | 89.2    | 92.3    | 93.5    | 93.5        | 93.7    | 93.7        | 93.7        |
| GE 500                | 81.1                        | 85.1    | 89.3    | 93.2    | 94.4    | 94.5        | 94.7    | 95.3        | 95.3        |
| GE 400                | 81.1                        | 85.1    | 90.1    | 93.5    | 94.7    | 95.0        | 95.3    | 95.2        | 95.2        |
| GE 300                | 81.1                        | 85.1    | 90.2    | 93.4    | 95.2    | 95.5        | 95.4    | 97.4        | 97.4        |
| GE 200                | 81.2                        | 85.3    | 90.4    | 94.1    | 95.7    | 95.7        | 95.9    | 99.1        | 99.1        |
| GE 100                | 81.2                        | 85.3    | 90.4    | 94.1    | 95.9    | 96.4        | 98.2    | 99.4        | 99.4        |

TOTAL NUMBER OF OBSERVATIONS 555

A

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

WFO GA PERIOD OF RECORD: JUN 74 - MAY 83  
MONTH: OCT HOURS: 21-23

| .....                       |      |       |       |      |      |      |       |       |       |       |
|-----------------------------|------|-------|-------|------|------|------|-------|-------|-------|-------|
| VISIBILITY IN STATUTE MILES |      |       |       |      |      |      |       |       |       |       |
| CE                          | SE   | SE    | SE    | SE   | SE   | SE   | SE    | SE    | SE    | SE    |
| 72                          | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2   | 3/8   | 1/4   | 0     |
| .....                       |      |       |       |      |      |      |       |       |       |       |
| 4                           | 65.5 | 65.5  | 65.5  | 65.7 | 65.7 | 65.7 | 65.7  | 65.7  | 65.7  | 65.7  |
|                             | 71.0 | 71.0  | 71.0  | 71.1 | 71.1 | 71.1 | 71.1  | 71.1  | 71.1  | 71.1  |
|                             | 71.0 | 71.0  | 71.0  | 71.1 | 71.1 | 71.1 | 71.1  | 71.1  | 71.1  | 71.1  |
|                             | 71.0 | 71.0  | 71.0  | 71.1 | 71.1 | 71.1 | 71.1  | 71.1  | 71.1  | 71.1  |
|                             | 71.4 | 71.4  | 71.4  | 71.5 | 71.5 | 71.5 | 71.5  | 71.5  | 71.5  | 71.5  |
|                             | 72.2 | 72.2  | 72.2  | 72.3 | 72.3 | 72.3 | 72.3  | 72.3  | 72.3  | 72.3  |
|                             | 74.1 | 74.1  | 74.1  | 74.3 | 74.3 | 74.3 | 74.3  | 74.3  | 74.3  | 74.3  |
|                             | 74.1 | 74.1  | 74.1  | 74.3 | 74.3 | 74.3 | 74.3  | 74.3  | 74.3  | 74.3  |
|                             | 75.2 | 75.2  | 75.2  | 75.4 | 75.4 | 75.4 | 75.4  | 75.4  | 75.4  | 75.4  |
|                             | 77.3 | 77.3  | 77.3  | 77.4 | 77.4 | 77.4 | 77.4  | 77.4  | 77.4  | 77.4  |
|                             | 78.0 | 78.0  | 78.0  | 78.2 | 78.2 | 78.2 | 78.2  | 78.2  | 78.2  | 78.2  |
|                             | 78.5 | 78.5  | 78.5  | 78.6 | 78.6 | 78.6 | 78.6  | 78.6  | 78.6  | 78.6  |
|                             | 78.8 | 78.8  | 78.8  | 78.9 | 78.9 | 78.9 | 78.9  | 78.9  | 78.9  | 78.9  |
|                             | 80.5 | 80.5  | 80.5  | 80.6 | 80.6 | 80.6 | 80.6  | 80.6  | 80.6  | 80.6  |
|                             | 81.5 | 81.5  | 81.5  | 81.7 | 81.7 | 81.7 | 81.7  | 81.7  | 81.7  | 81.7  |
|                             | 84.5 | 84.5  | 84.5  | 84.7 | 84.7 | 84.7 | 84.7  | 84.7  | 84.7  | 84.7  |
|                             | 85.3 | 85.3  | 85.3  | 85.4 | 85.4 | 85.4 | 85.4  | 85.4  | 85.4  | 85.4  |
|                             | 85.3 | 85.3  | 85.3  | 85.4 | 85.4 | 85.4 | 85.4  | 85.4  | 85.4  | 85.4  |
|                             | 88.4 | 88.4  | 88.4  | 88.6 | 88.6 | 88.6 | 88.6  | 88.6  | 88.6  | 88.6  |
|                             | 89.2 | 89.2  | 89.2  | 89.3 | 89.3 | 89.3 | 89.3  | 89.3  | 89.3  | 89.3  |
|                             | 89.5 | 89.5  | 89.5  | 89.6 | 89.6 | 89.6 | 89.6  | 89.6  | 89.6  | 89.6  |
|                             | 91.0 | 91.0  | 91.0  | 91.1 | 91.1 | 91.1 | 91.1  | 91.1  | 91.1  | 91.1  |
|                             | 91.3 | 91.3  | 91.3  | 91.4 | 91.4 | 91.4 | 91.4  | 91.4  | 91.4  | 91.4  |
|                             | 91.7 | 91.7  | 91.7  | 91.9 | 91.9 | 91.9 | 91.9  | 91.9  | 91.9  | 91.9  |
|                             | 92.5 | 92.5  | 92.5  | 92.8 | 92.8 | 92.8 | 92.8  | 92.8  | 92.8  | 92.8  |
|                             | 93.7 | 93.7  | 93.7  | 93.8 | 93.8 | 93.8 | 93.8  | 93.8  | 93.8  | 93.8  |
|                             | 95.7 | 95.3  | 95.3  | 95.5 | 95.5 | 95.5 | 95.5  | 95.5  | 95.5  | 95.5  |
|                             | 95.3 | 95.2  | 95.2  | 95.4 | 95.4 | 95.4 | 95.4  | 95.4  | 95.4  | 95.4  |
|                             | 97.4 | 97.4  | 97.4  | 97.5 | 97.5 | 97.5 | 97.5  | 97.5  | 97.5  | 97.5  |
|                             | 98.0 | 99.1  | 99.1  | 99.2 | 99.2 | 99.2 | 99.2  | 99.2  | 99.2  | 99.2  |
|                             | 98.2 | 99.4  | 99.4  | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
|                             | 99.2 | 99.4  | 99.4  | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
| .....                       |      |       |       |      |      |      |       |       |       |       |

OPERATING LOCATION "A"  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM MONTHLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

P. 1  
400

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 54.5                        | 57.7    | 53.7    | 59.3    | 59.3    | 50.0        | 50.1    | 50.2        | 50.2        | 50.2    |
| GE 20000              | 50.3                        | 53.5    | 54.7    | 55.4    | 55.7    | 56.1        | 56.2    | 56.3        | 56.3        | 56.3    |
| GE 18000              | 50.3                        | 53.7    | 54.3    | 55.5    | 55.0    | 56.2        | 55.3    | 56.4        | 56.4        | 56.4    |
| GE 16000              | 50.4                        | 53.9    | 54.8    | 55.5    | 55.0    | 55.2        | 55.3    | 55.4        | 55.4        | 55.4    |
| GE 14000              | 50.3                        | 54.4    | 55.6    | 55.3    | 55.9    | 57.0        | 57.1    | 57.2        | 57.2        | 57.2    |
| GE 12000              | 51.9                        | 55.6    | 55.5    | 57.9    | 58.0    | 58.2        | 58.3    | 58.4        | 58.4        | 58.4    |
| GE 10000              | 54.4                        | 58.2    | 59.5    | 70.2    | 70.3    | 71.0        | 71.1    | 71.2        | 71.2        | 71.2    |
| GE 9000               | 54.5                        | 58.4    | 59.7    | 70.4    | 71.0    | 71.2        | 71.3    | 71.4        | 71.4        | 71.4    |
| GE 8000               | 54.3                        | 70.6    | 71.9    | 72.7    | 73.3    | 73.5        | 73.7    | 73.7        | 73.7        | 73.7    |
| GE 7000               | 55.3                        | 71.2    | 72.5    | 73.5    | 74.1    | 74.3        | 74.5    | 74.6        | 74.6        | 74.6    |
| GE 6000               | 57.0                        | 71.4    | 72.9    | 73.3    | 74.4    | 74.5        | 74.3    | 74.3        | 74.3        | 74.3    |
| GE 5000               | 57.3                        | 72.4    | 73.9    | 74.5    | 75.5    | 75.7        | 75.9    | 76.0        | 76.0        | 76.0    |
| GE 4500               | 58.2                        | 73.1    | 74.5    | 75.0    | 75.3    | 75.5        | 75.5    | 75.7        | 75.7        | 75.7    |
| GE 4000               | 59.2                        | 74.2    | 76.0    | 77.0    | 77.3    | 78.1        | 78.2    | 78.3        | 78.3        | 78.3    |
| GE 3500               | 59.7                        | 75.0    | 76.3    | 77.3    | 78.5    | 78.7        | 79.0    | 79.1        | 79.1        | 79.1    |
| GE 3000               | 71.3                        | 76.4    | 78.4    | 79.5    | 80.4    | 80.7        | 80.9    | 81.0        | 81.0        | 81.0    |
| GE 2500               | 72.3                        | 77.5    | 79.5    | 80.7    | 81.7    | 82.0        | 82.2    | 82.3        | 82.3        | 82.3    |
| GE 2000               | 73.2                        | 78.3    | 80.9    | 82.2    | 83.2    | 83.5        | 83.7    | 83.9        | 83.9        | 83.9    |
| GE 1800               | 73.4                        | 79.1    | 81.3    | 82.5    | 83.5    | 83.9        | 84.1    | 84.3        | 84.3        | 84.3    |
| GE 1600               | 74.0                        | 79.9    | 82.2    | 83.5    | 84.7    | 84.9        | 85.2    | 85.4        | 85.4        | 85.4    |
| GE 1400               | 74.0                        | 81.1    | 83.5    | 85.1    | 85.4    | 85.7        | 87.0    | 87.2        | 87.2        | 87.2    |
| GE 1200               | 75.3                        | 81.9    | 84.5    | 86.3    | 87.3    | 88.1        | 88.5    | 88.7        | 88.7        | 88.7    |
| GE 1000               | 75.5                        | 82.3    | 85.0    | 86.3    | 88.3    | 88.7        | 89.2    | 89.3        | 89.4        | 89.4    |
| GE 900                | 75.7                        | 82.7    | 85.5    | 87.5    | 89.2    | 89.5        | 90.1    | 90.3        | 90.4        | 90.4    |
| GE 800                | 75.3                        | 83.1    | 85.3    | 88.5    | 90.4    | 90.3        | 91.4    | 91.5        | 91.5        | 91.5    |
| GE 700                | 76.0                        | 83.7    | 87.2    | 89.7    | 91.7    | 92.3        | 92.9    | 93.2        | 93.2        | 93.2    |
| GE 600                | 76.0                        | 83.4    | 87.5    | 90.4    | 92.9    | 93.5        | 94.3    | 94.5        | 94.5        | 94.5    |
| GE 500                | 76.0                        | 83.9    | 87.5    | 91.0    | 94.0    | 94.4        | 95.2    | 95.1        | 95.2        | 95.2    |
| GE 400                | 76.0                        | 84.0    | 87.9    | 91.1    | 94.1    | 95.0        | 95.5    | 97.5        | 97.7        | 97.7    |
| GE 300                | 76.0                        | 84.0    | 87.9    | 91.1    | 94.1    | 95.0        | 95.5    | 97.7        | 97.9        | 97.9    |

TOTAL NUMBER OF OBSERVATIONS 5356

A

FREQUENCY OF OCCURRENCE OF CHILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AFB GA

PERIOD OF RECORD: JUN 75 - MAY 84  
MONTH: OCT HOURS: ALL

| .....                       |      |       |       |      |      |      |      |      |      |       |
|-----------------------------|------|-------|-------|------|------|------|------|------|------|-------|
| VISIBILITY IN STATUTE MILES |      |       |       |      |      |      |      |      |      |       |
| 1                           | GE   | GE    | GE    | GE   | GE   | GE   | GE   | GE   | GE   | GE    |
| 1/2                         | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/8  | 1/4  | 0     |
| .....                       |      |       |       |      |      |      |      |      |      |       |
| 0.0                         | 60.1 | 60.2  | 60.2  | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2  |
| 0.1                         | 66.2 | 66.3  | 66.3  | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3  |
| 0.2                         | 66.3 | 66.4  | 66.4  | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4  |
| 0.3                         | 66.3 | 66.4  | 66.4  | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4  |
| 0.4                         | 67.1 | 67.2  | 67.2  | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2  |
| 0.5                         | 68.3 | 68.4  | 68.4  | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4  |
| 0.6                         | 71.1 | 71.2  | 71.2  | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2  |
| 0.7                         | 71.3 | 71.4  | 71.4  | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4  |
| 0.8                         | 73.7 | 73.7  | 73.7  | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7  |
| 0.9                         | 74.5 | 74.5  | 74.5  | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5  |
| 1.0                         | 74.9 | 74.9  | 74.9  | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9  |
| 1.1                         | 75.9 | 75.9  | 75.9  | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9  |
| 1.2                         | 75.5 | 75.7  | 75.7  | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7  |
| 1.3                         | 76.2 | 76.3  | 76.3  | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3  |
| 1.4                         | 77.0 | 77.1  | 77.1  | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1  |
| 1.5                         | 80.4 | 81.0  | 81.0  | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0  |
| 1.6                         | 82.2 | 82.3  | 82.3  | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3  |
| 1.7                         | 83.7 | 83.9  | 83.9  | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9  |
| 1.8                         | 84.1 | 84.3  | 84.3  | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3  |
| 1.9                         | 85.2 | 85.4  | 85.4  | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4  |
| 2.0                         | 87.0 | 87.2  | 87.2  | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2  |
| 2.1                         | 88.5 | 88.7  | 88.7  | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7  |
| 2.2                         | 89.2 | 89.4  | 89.4  | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4  |
| 2.3                         | 90.1 | 90.3  | 90.4  | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4  |
| 2.4                         | 91.4 | 91.5  | 91.5  | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7  |
| 2.5                         | 92.9 | 93.2  | 93.2  | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4  |
| 2.6                         | 94.3 | 94.4  | 94.4  | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0  |
| 2.7                         | 95.4 | 95.1  | 96.2  | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4  |
| 2.8                         | 96.2 | 97.1  | 97.2  | 97.4 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7  |
| 2.9                         | 96.5 | 97.5  | 97.7  | 98.0 | 98.3 | 98.4 | 98.7 | 98.8 | 98.8 | 98.8  |
| 3.0                         | 96.6 | 97.7  | 97.7  | 98.3 | 98.3 | 98.9 | 99.4 | 99.5 | 99.7 | 99.8  |
| 3.1                         | 96.5 | 97.7  | 97.9  | 98.3 | 98.8 | 98.8 | 99.4 | 99.5 | 99.9 | 100.0 |
| .....                       |      |       |       |      |      |      |      |      |      |       |

OPERATING LOCATION "AA"  
JSAFSTAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

1  
MONTH

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | SE<br>7 | SE<br>5 | SE<br>5 | SE<br>4 | SE<br>3 | SE<br>2 1/2 | SE<br>2 | SE<br>1 1/2 | SE<br>1 1/4 | SE<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| NO CEIL    | 35.3    | 35.3    | 35.3    | 35.3    | 35.3    | 35.3        | 35.3    | 35.3        | 35.3        | 35.3    |
| GE 20000   | 41.2    | 41.2    | 41.2    | 41.2    | 41.2    | 41.2        | 41.2    | 41.2        | 41.2        | 41.2    |
| GE 18000   | 41.2    | 41.2    | 41.2    | 41.2    | 41.2    | 41.2        | 41.2    | 41.2        | 41.2        | 41.2    |
| GE 16000   | 41.2    | 41.2    | 41.2    | 41.2    | 41.2    | 41.2        | 41.2    | 41.2        | 41.2        | 41.2    |
| GE 14000   | 41.2    | 41.2    | 41.2    | 41.2    | 41.2    | 41.2        | 41.2    | 41.2        | 41.2        | 41.2    |
| GE 12000   | 41.2    | 41.2    | 41.2    | 41.2    | 41.2    | 41.2        | 41.2    | 41.2        | 41.2        | 41.2    |
| GE 10000   | 47.1    | 47.1    | 47.1    | 47.1    | 47.1    | 47.1        | 47.1    | 47.1        | 47.1        | 47.1    |
| GE 9000    | 47.1    | 47.1    | 47.1    | 47.1    | 47.1    | 47.1        | 47.1    | 47.1        | 47.1        | 47.1    |
| GE 8000    | 47.1    | 47.1    | 47.1    | 47.1    | 47.1    | 47.1        | 47.1    | 47.1        | 47.1        | 47.1    |
| GE 7000    | 47.1    | 47.1    | 47.1    | 47.1    | 47.1    | 47.1        | 47.1    | 47.1        | 47.1        | 47.1    |
| GE 6000    | 47.1    | 47.1    | 47.1    | 47.1    | 47.1    | 47.1        | 47.1    | 47.1        | 47.1        | 47.1    |
| GE 5000    | 47.1    | 47.1    | 47.1    | 47.1    | 47.1    | 47.1        | 47.1    | 47.1        | 47.1        | 47.1    |
| GE 4500    | 47.1    | 47.1    | 47.1    | 47.1    | 47.1    | 47.1        | 47.1    | 47.1        | 47.1        | 47.1    |
| GE 4000    | 47.1    | 47.1    | 47.1    | 47.1    | 47.1    | 47.1        | 47.1    | 47.1        | 47.1        | 47.1    |
| GE 3500    | 54.7    | 54.7    | 54.7    | 54.7    | 54.7    | 54.7        | 54.7    | 54.7        | 54.7        | 54.7    |
| GE 3000    | 54.7    | 54.7    | 54.7    | 54.7    | 54.7    | 54.7        | 54.7    | 54.7        | 54.7        | 54.7    |
| GE 2500    | 54.7    | 54.7    | 54.7    | 54.7    | 54.7    | 54.7        | 54.7    | 54.7        | 54.7        | 54.7    |
| GE 2000    | 54.7    | 54.7    | 54.7    | 54.7    | 54.7    | 54.7        | 54.7    | 54.7        | 54.7        | 54.7    |
| GE 1800    | 54.7    | 54.7    | 54.7    | 54.7    | 54.7    | 54.7        | 54.7    | 54.7        | 54.7        | 54.7    |
| GE 1500    | 54.7    | 54.7    | 54.7    | 54.7    | 54.7    | 54.7        | 54.7    | 54.7        | 54.7        | 54.7    |
| GE 1200    | 54.7    | 54.7    | 54.7    | 54.7    | 54.7    | 54.7        | 54.7    | 54.7        | 54.7        | 54.7    |
| GE 1000    | 54.7    | 54.7    | 54.7    | 54.7    | 54.7    | 54.7        | 54.7    | 54.7        | 54.7        | 54.7    |
| GE 900     | 54.7    | 54.7    | 54.7    | 54.7    | 54.7    | 54.7        | 54.7    | 54.7        | 54.7        | 54.7    |
| GE 800     | 54.7    | 54.7    | 54.7    | 54.7    | 54.7    | 54.7        | 54.7    | 54.7        | 54.7        | 54.7    |
| GE 700     | 54.7    | 75.5    | 75.5    | 75.5    | 75.5    | 75.5        | 75.5    | 75.5        | 75.5        | 75.5    |
| GE 600     | 54.7    | 75.5    | 82.4    | 82.4    | 82.4    | 82.4        | 82.4    | 82.4        | 82.4        | 82.4    |
| GE 500     | 54.7    | 75.5    | 82.4    | 82.4    | 82.4    | 82.4        | 82.4    | 82.4        | 82.4        | 82.4    |
| GE 400     | 54.7    | 75.5    | 82.4    | 82.4    | 82.4    | 82.4        | 82.4    | 82.4        | 82.4        | 82.4    |
| GE 300     | 54.7    | 75.5    | 82.4    | 82.4    | 82.4    | 82.4        | 82.4    | 82.4        | 82.4        | 82.4    |
| GE 200     | 54.7    | 75.5    | 82.4    | 82.4    | 82.4    | 82.4        | 82.4    | 82.4        | 82.4        | 82.4    |
| GE 100     | 54.7    | 75.5    | 82.4    | 82.4    | 82.4    | 82.4        | 82.4    | 82.4        | 82.4        | 82.4    |
| GE 000     | 54.7    | 75.5    | 82.4    | 82.4    | 82.4    | 82.4        | 82.4    | 82.4        | 82.4        | 82.4    |

TOTAL NUMBER OF OBSERVATIONS

17

7

1 - 2 - 37

FREQUENCY OF OCCURRENCE OF CHILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

2025 64

PERIOD OF RECORD: JUN 73 - MAY 83

ADT4: 40V      H1125: 00-02

| SPEED OF TRAVEL IN STATUTE MILES |         |             |             |         |           |           |           |           |           |         |
|----------------------------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| MPH                              | 31<br>2 | 32<br>1 1/2 | 33<br>1 1/4 | 34<br>1 | 35<br>3/4 | 36<br>5/8 | 37<br>1/2 | 38<br>3/8 | 39<br>1/4 | 40<br>0 |
| 1                                | 35.3    | 35.3        | 35.3        | 35.3    | 35.3      | 35.3      | 35.3      | 35.3      | 35.3      | 35.3    |
| 2                                | 41.2    | 41.2        | 41.2        | 41.2    | 41.2      | 41.2      | 41.2      | 41.2      | 41.2      | 41.2    |
| 3                                | 41.2    | 41.2        | 41.2        | 41.2    | 41.2      | 41.2      | 41.2      | 41.2      | 41.2      | 41.2    |
| 4                                | 41.2    | 41.2        | 41.2        | 41.2    | 41.2      | 41.2      | 41.2      | 41.2      | 41.2      | 41.2    |
| 5                                | 41.2    | 41.2        | 41.2        | 41.2    | 41.2      | 41.2      | 41.2      | 41.2      | 41.2      | 41.2    |
| 6                                | 47.1    | 47.1        | 47.1        | 47.1    | 47.1      | 47.1      | 47.1      | 47.1      | 47.1      | 47.1    |
| 7                                | 47.1    | 47.1        | 47.1        | 47.1    | 47.1      | 47.1      | 47.1      | 47.1      | 47.1      | 47.1    |
| 8                                | 47.1    | 47.1        | 47.1        | 47.1    | 47.1      | 47.1      | 47.1      | 47.1      | 47.1      | 47.1    |
| 9                                | 47.1    | 47.1        | 47.1        | 47.1    | 47.1      | 47.1      | 47.1      | 47.1      | 47.1      | 47.1    |
| 10                               | 47.1    | 47.1        | 47.1        | 47.1    | 47.1      | 47.1      | 47.1      | 47.1      | 47.1      | 47.1    |
| 11                               | 47.1    | 47.1        | 47.1        | 47.1    | 47.1      | 47.1      | 47.1      | 47.1      | 47.1      | 47.1    |
| 12                               | 47.1    | 47.1        | 47.1        | 47.1    | 47.1      | 47.1      | 47.1      | 47.1      | 47.1      | 47.1    |
| 13                               | 47.1    | 47.1        | 47.1        | 47.1    | 47.1      | 47.1      | 47.1      | 47.1      | 47.1      | 47.1    |
| 14                               | 47.1    | 47.1        | 47.1        | 47.1    | 47.1      | 47.1      | 47.1      | 47.1      | 47.1      | 47.1    |
| 15                               | 47.1    | 47.1        | 47.1        | 47.1    | 47.1      | 47.1      | 47.1      | 47.1      | 47.1      | 47.1    |
| 16                               | 47.1    | 47.1        | 47.1        | 47.1    | 47.1      | 47.1      | 47.1      | 47.1      | 47.1      | 47.1    |
| 17                               | 47.1    | 47.1        | 47.1        | 47.1    | 47.1      | 47.1      | 47.1      | 47.1      | 47.1      | 47.1    |
| 18                               | 47.1    | 47.1        | 47.1        | 47.1    | 47.1      | 47.1      | 47.1      | 47.1      | 47.1      | 47.1    |
| 19                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 20                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 21                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 22                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 23                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 24                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 25                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 26                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 27                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 28                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 29                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 30                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 31                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 32                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 33                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 34                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 35                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 36                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 37                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 38                               | 53.0    | 53.0        | 53.0        | 53.0    | 53.0      | 53.0      | 53.0      | 53.0      | 53.0      | 53.0    |
| 39                               | 53.0    | 53.0        | 53.0        | 53.0    |           |           |           |           |           |         |

OPERATING LOCATION "A"  
USAFETAC, ASH-VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: JOBBINS AFB GA  
LST TO UTC: + 5

24-1  
40-1

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 46.5                        | 46.2    | 49.5    | 49.5    | 50.0    | 50.0        | 50.0    | 50.0        | 50.0        | 50.0    |
| GE 20000              | 47.0                        | 50.0    | 51.4    | 51.5    | 52.1    | 52.1        | 52.1    | 52.1        | 52.1        | 52.1    |
| GE 18000              | 47.0                        | 50.0    | 51.4    | 51.5    | 52.1    | 52.1        | 52.1    | 52.1        | 52.1        | 52.1    |
| GE 16000              | 47.0                        | 50.0    | 51.4    | 51.5    | 52.1    | 52.1        | 52.1    | 52.1        | 52.1        | 52.1    |
| GE 14000              | 49.9                        | 51.1    | 52.2    | 52.2    | 53.2    | 53.2        | 53.2    | 53.2        | 53.2        | 53.2    |
| GE 12000              | 49.3                        | 51.4    | 52.4    | 53.2    | 53.5    | 53.5        | 53.5    | 53.5        | 53.5        | 53.5    |
| GE 10000              | 50.7                        | 52.4    | 54.3    | 54.5    | 55.0    | 55.0        | 55.0    | 55.0        | 55.0        | 55.0    |
| GE 9000               | 51.1                        | 53.2    | 54.5    | 55.0    | 55.3    | 55.3        | 55.7    | 55.7        | 55.7        | 55.7    |
| GE 8000               | 53.2                        | 55.0    | 57.3    | 57.5    | 58.9    | 58.7        | 59.2    | 59.2        | 59.2        | 59.2    |
| GE 7000               | 53.5                        | 55.7    | 58.5    | 59.2    | 59.5    | 59.5        | 59.9    | 59.9        | 59.9        | 59.9    |
| GE 6000               | 53.5                        | 55.7    | 58.5    | 59.2    | 59.5    | 59.5        | 59.9    | 59.9        | 59.9        | 59.9    |
| GE 5000               | 54.3                        | 57.5    | 59.5    | 60.3    | 60.5    | 60.5        | 61.0    | 61.0        | 61.0        | 61.0    |
| GE 4500               | 54.5                        | 57.2    | 59.9    | 60.5    | 61.0    | 61.0        | 61.3    | 61.3        | 61.3        | 61.3    |
| GE 4000               | 55.3                        | 58.9    | 61.3    | 62.1    | 62.4    | 62.4        | 62.4    | 62.3        | 62.4        | 62.4    |
| GE 3500               | 56.0                        | 60.3    | 62.5    | 63.5    | 63.3    | 63.3        | 64.2    | 64.2        | 64.2        | 64.2    |
| GE 3000               | 56.2                        | 62.5    | 65.3    | 67.0    | 67.4    | 67.4        | 67.7    | 67.7        | 67.7        | 67.7    |
| GE 2500               | 59.5                        | 63.5    | 65.7    | 67.4    | 67.7    | 67.7        | 68.1    | 68.1        | 68.1        | 68.1    |
| GE 2000               | 61.7                        | 65.0    | 69.1    | 70.2    | 70.5    | 70.5        | 70.9    | 70.9        | 70.9        | 70.9    |
| GE 1800               | 61.7                        | 65.3    | 69.5    | 71.3    | 71.5    | 71.5        | 72.0    | 72.0        | 72.0        | 72.0    |
| GE 1600               | 63.1                        | 67.7    | 71.5    | 73.4    | 73.2    | 73.2        | 74.1    | 74.1        | 74.1        | 74.1    |
| GE 1400               | 65.2                        | 69.9    | 73.5    | 75.2    | 77.0    | 77.0        | 77.3    | 77.3        | 77.3        | 77.3    |
| GE 1200               | 65.5                        | 70.2    | 74.1    | 75.5    | 76.4    | 76.4        | 76.7    | 76.1        | 76.1        | 76.1    |
| GE 1000               | 65.7                        | 71.3    | 75.5    | 76.2    | 77.3    | 77.3        | 77.5    | 77.9        | 77.9        | 77.9    |
| GE 900                | 67.7                        | 72.3    | 75.5    | 79.1    | 80.9    | 80.9        | 82.3    | 82.5        | 82.5        | 82.5    |
| GE 800                | 67.7                        | 72.7    | 77.0    | 79.4    | 81.2    | 81.2        | 82.5    | 83.0        | 83.0        | 83.0    |
| GE 700                | 68.1                        | 73.4    | 78.0    | 81.7    | 83.7    | 83.7        | 85.1    | 85.5        | 85.5        | 85.5    |
| GE 600                | 68.1                        | 73.4    | 79.1    | 83.7    | 85.5    | 85.5        | 87.5    | 87.9        | 87.9        | 87.9    |
| GE 500                | 68.1                        | 73.4    | 79.4    | 85.5    | 87.5    | 87.5        | 89.7    | 90.1        | 90.4        | 90.4    |
| GE 400                | 68.1                        | 73.4    | 79.3    | 85.3    | 87.7    | 87.7        | 90.3    | 91.5        | 91.2        | 91.2    |
| GE 300                | 68.1                        | 73.4    | 79.3    | 85.3    | 87.4    | 87.4        | 91.8    | 95.0        | 95.1        | 95.1    |
| GE 200                | 68.4                        | 73.8    | 80.1    | 86.2    | 90.1    | 90.1        | 92.5    | 95.1        | 97.2        | 97.2    |
| GE 100                | 68.4                        | 73.8    | 80.1    | 86.2    | 90.1    | 90.1        | 92.5    | 95.1        | 97.2        | 97.2    |
| GE 000                | 68.4                        | 73.8    | 80.1    | 86.2    | 90.1    | 90.1        | 92.5    | 95.1        | 97.2        | 97.2    |

TOTAL NUMBER OF OBSERVATIONS 282

5

0 - 2 - 30

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: 64 PERIOD OF RECORD: JUN 75 - MAY 83  
MONTH: NOV HOURS: 03-05

| CITY IN STATUTE MILES |      |       |       |      |      |      |      |      |      |       |
|-----------------------|------|-------|-------|------|------|------|------|------|------|-------|
| 0                     | 0E   | 0E    | 0E    | 0E   | 0E   | 0E   | 0E   | 0E   | 0E   | 0E    |
| 0                     | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/8  | 1/4  | 0     |
| 50.0                  | 50.0 | 50.0  | 50.0  | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0  |
| 52.1                  | 52.1 | 52.1  | 52.1  | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1  |
| 52.1                  | 52.1 | 52.1  | 52.1  | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1  |
| 52.1                  | 52.1 | 52.1  | 52.1  | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1  |
| 52.1                  | 52.1 | 52.1  | 52.1  | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1  |
| 53.2                  | 53.2 | 53.2  | 53.2  | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2  |
| 53.5                  | 53.5 | 53.5  | 53.5  | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5  |
| 55.0                  | 55.0 | 55.0  | 55.0  | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0  |
| 55.7                  | 55.7 | 55.7  | 55.7  | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7  |
| 59.2                  | 59.2 | 59.2  | 59.2  | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2  |
| 59.9                  | 59.9 | 59.9  | 59.9  | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9  |
| 59.9                  | 59.9 | 59.9  | 59.9  | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9  |
| 61.0                  | 61.0 | 61.0  | 61.0  | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0  |
| 61.3                  | 61.3 | 61.3  | 61.3  | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3  |
| 62.4                  | 62.4 | 62.4  | 62.4  | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4  |
| 64.2                  | 64.2 | 64.2  | 64.2  | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2  |
| 67.7                  | 67.7 | 67.7  | 67.7  | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7  |
| 68.1                  | 68.1 | 68.1  | 68.1  | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1  |
| 70.9                  | 70.9 | 70.9  | 70.9  | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9  |
| 72.0                  | 72.0 | 72.0  | 72.0  | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0  |
| 74.1                  | 74.1 | 74.1  | 74.1  | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1  |
| 77.3                  | 77.3 | 77.3  | 77.3  | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3  |
| 79.1                  | 79.1 | 79.1  | 79.1  | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1  |
| 80.9                  | 80.9 | 80.9  | 80.9  | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9  |
| 82.6                  | 82.6 | 82.6  | 82.6  | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6  |
| 82.6                  | 83.0 | 83.0  | 83.0  | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0  |
| 85.1                  | 85.5 | 85.8  | 85.8  | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8  |
| 87.3                  | 87.9 | 88.3  | 88.3  | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3  |
| 90.7                  | 90.1 | 90.4  | 90.4  | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4  |
| 90.8                  | 91.5 | 91.2  | 92.2  | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2  |
| 91.8                  | 95.0 | 96.1  | 96.5  | 96.5 | 96.5 | 96.5 | 96.8 | 97.2 | 97.2 | 97.5  |
| 92.5                  | 95.1 | 97.2  | 97.5  | 97.5 | 97.5 | 97.5 | 97.9 | 98.2 | 98.5 | 99.3  |
| 92.5                  | 96.1 | 97.2  | 97.5  | 97.5 | 97.5 | 97.5 | 97.9 | 98.2 | 98.5 | 100.0 |



OPERATING LOCATION "A"  
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM 4000 LY TO 5000 LY

STATION NUMBER: 722270

STATION NAME: DRAVINS AFB GA  
LST TO UTC: + 5

DATE:  
1970

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| NO CEIL    | 37.3    | 41.6    | 44.7    | 45.4    | 45.7    | 45.7        | 45.8    | 45.9        | 45.9        | 45.9    |
| GE 20000   | 39.8    | 44.2    | 47.3    | 48.4    | 48.6    | 48.9        | 49.0    | 49.1        | 49.2        | 49.2    |
| GE 18000   | 39.9    | 44.3    | 47.4    | 48.5    | 48.9    | 49.0        | 49.1    | 49.2        | 49.3        | 49.3    |
| GE 16000   | 40.0    | 44.4    | 47.5    | 48.7    | 49.0    | 49.1        | 49.2    | 49.3        | 49.4        | 49.4    |
| GE 14000   | 40.3    | 44.8    | 47.9    | 49.0    | 49.4    | 49.6        | 49.7    | 49.8        | 49.9        | 49.9    |
| GE 12000   | 41.1    | 45.7    | 49.8    | 49.9    | 50.3    | 50.4        | 50.7    | 50.8        | 50.9        | 50.9    |
| GE 10000   | 43.2    | 47.8    | 51.0    | 52.3    | 52.9    | 52.9        | 53.1    | 53.2        | 53.3        | 53.3    |
| GE 9000    | 43.4    | 48.1    | 51.3    | 52.3    | 53.2    | 53.3        | 54.5    | 53.7        | 53.8        | 53.8    |
| GE 8000    | 45.0    | 49.7    | 53.1    | 54.4    | 55.6    | 55.7        | 56.9    | 55.1        | 56.2        | 56.2    |
| GE 7000    | 45.4    | 50.2    | 53.7    | 55.3    | 55.1    | 55.2        | 55.4    | 55.7        | 56.8        | 56.8    |
| GE 6000    | 45.4    | 50.2    | 53.7    | 55.3    | 55.1    | 55.2        | 55.4    | 55.7        | 55.8        | 55.8    |
| GE 5000    | 46.2    | 51.0    | 54.7    | 55.4    | 57.2    | 57.3        | 57.5    | 57.8        | 57.8        | 57.8    |
| GE 4500    | 47.3    | 52.1    | 55.0    | 55.0    | 58.2    | 58.9        | 59.1    | 59.3        | 59.4        | 59.4    |
| GE 4000    | 48.2    | 53.0    | 57.1    | 59.4    | 60.2    | 60.3        | 60.5    | 60.8        | 60.8        | 60.8    |
| GE 3500    | 48.3    | 53.6    | 57.9    | 60.3    | 61.1    | 61.2        | 61.4    | 61.7        | 61.8        | 61.8    |
| GE 3000    | 50.8    | 56.0    | 60.2    | 62.8    | 63.7    | 63.8        | 64.0    | 64.4        | 64.7        | 64.7    |
| GE 2500    | 52.4    | 57.9    | 62.1    | 64.0    | 65.3    | 65.9        | 65.3    | 65.3        | 67.0        | 67.0    |
| GE 2000    | 54.7    | 60.2    | 64.6    | 67.5    | 68.4    | 68.7        | 69.3    | 69.4        | 70.3        | 70.3    |
| GE 1800    | 56.0    | 60.7    | 65.1    | 68.1    | 69.3    | 69.4        | 69.7    | 70.3        | 70.8        | 70.8    |
| GE 1600    | 56.3    | 62.1    | 66.6    | 69.9    | 71.2    | 71.3        | 71.6    | 72.3        | 72.6        | 72.6    |
| GE 1400    | 58.0    | 63.9    | 68.4    | 72.0    | 73.3    | 73.4        | 74.1    | 74.6        | 74.8        | 74.8    |
| GE 1200    | 59.0    | 65.2    | 69.9    | 73.7    | 75.0    | 75.1        | 75.3    | 76.2        | 76.4        | 76.4    |
| GE 1000    | 59.7    | 66.3    | 71.3    | 75.2    | 75.6    | 75.7        | 77.4    | 77.9        | 78.1        | 78.1    |
| GE 900     | 59.9    | 66.9    | 72.2    | 76.2    | 76.1    | 76.2        | 79.1    | 79.6        | 79.8        | 79.8    |
| GE 800     | 60.2    | 67.4    | 73.6    | 77.7    | 79.9    | 80.0        | 81.1    | 81.7        | 81.9        | 81.9    |
| GE 600     | 60.3    | 68.1    | 74.8    | 79.3    | 82.1    | 82.3        | 83.7    | 84.3        | 84.7        | 84.7    |
| GE 500     | 61.1    | 68.1    | 76.0    | 81.1    | 84.2    | 84.4        | 85.3    | 85.7        | 87.0        | 87.0    |
| GE 400     | 61.2    | 69.0    | 75.6    | 83.1    | 87.3    | 87.7        | 89.5    | 90.6        | 90.9        | 90.9    |
| GE 300     | 61.2    | 69.0    | 75.6    | 83.2    | 88.6    | 88.7        | 91.2    | 93.0        | 93.3        | 93.3    |
| GE 200     | 61.2    | 69.0    | 75.6    | 83.2    | 89.1    | 89.4        | 91.3    | 94.1        | 94.7        | 94.7    |
| GE 100     | 61.2    | 69.0    | 75.6    | 83.2    | 89.1    | 89.4        | 92.0    | 94.6        | 95.2        | 95.2    |

TOTAL NUMBER OF OBSERVATIONS 900

A

3 - 2 - 30

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

FA 54 PERIOD OF RECORD: JUN 76 - MAY 77  
MONTH: NOV HOURS: 06-08

.....  
LITY IN STATUTE MILES

|      | 01   | 02    | 03    | 04   | 05   | 06   | 07   | 08   | 09   | 10    |
|------|------|-------|-------|------|------|------|------|------|------|-------|
|      | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/8  | 1/4  | 0     |
| 45.0 | 45.0 | 45.0  | 45.0  | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.1  |
| 46.0 | 46.1 | 46.2  | 46.3  | 46.4 | 46.5 | 46.6 | 46.7 | 46.8 | 46.9 | 47.0  |
| 47.0 | 47.1 | 47.2  | 47.3  | 47.4 | 47.5 | 47.6 | 47.7 | 47.8 | 47.9 | 48.0  |
| 48.0 | 48.1 | 48.2  | 48.3  | 48.4 | 48.5 | 48.6 | 48.7 | 48.8 | 48.9 | 49.0  |
| 49.0 | 49.1 | 49.2  | 49.3  | 49.4 | 49.5 | 49.6 | 49.7 | 49.8 | 49.9 | 50.0  |
| 50.0 | 50.1 | 50.2  | 50.3  | 50.4 | 50.5 | 50.6 | 50.7 | 50.8 | 50.9 | 51.0  |
| 51.0 | 51.1 | 51.2  | 51.3  | 51.4 | 51.5 | 51.6 | 51.7 | 51.8 | 51.9 | 52.0  |
| 52.0 | 52.1 | 52.2  | 52.3  | 52.4 | 52.5 | 52.6 | 52.7 | 52.8 | 52.9 | 53.0  |
| 53.0 | 53.1 | 53.2  | 53.3  | 53.4 | 53.5 | 53.6 | 53.7 | 53.8 | 53.9 | 54.0  |
| 54.0 | 54.1 | 54.2  | 54.3  | 54.4 | 54.5 | 54.6 | 54.7 | 54.8 | 54.9 | 55.0  |
| 55.0 | 55.1 | 55.2  | 55.3  | 55.4 | 55.5 | 55.6 | 55.7 | 55.8 | 55.9 | 56.0  |
| 56.0 | 56.1 | 56.2  | 56.3  | 56.4 | 56.5 | 56.6 | 56.7 | 56.8 | 56.9 | 57.0  |
| 57.0 | 57.1 | 57.2  | 57.3  | 57.4 | 57.5 | 57.6 | 57.7 | 57.8 | 57.9 | 58.0  |
| 58.0 | 58.1 | 58.2  | 58.3  | 58.4 | 58.5 | 58.6 | 58.7 | 58.8 | 58.9 | 59.0  |
| 59.0 | 59.1 | 59.2  | 59.3  | 59.4 | 59.5 | 59.6 | 59.7 | 59.8 | 59.9 | 60.0  |
| 60.0 | 60.1 | 60.2  | 60.3  | 60.4 | 60.5 | 60.6 | 60.7 | 60.8 | 60.9 | 61.0  |
| 61.0 | 61.1 | 61.2  | 61.3  | 61.4 | 61.5 | 61.6 | 61.7 | 61.8 | 61.9 | 62.0  |
| 62.0 | 62.1 | 62.2  | 62.3  | 62.4 | 62.5 | 62.6 | 62.7 | 62.8 | 62.9 | 63.0  |
| 63.0 | 63.1 | 63.2  | 63.3  | 63.4 | 63.5 | 63.6 | 63.7 | 63.8 | 63.9 | 64.0  |
| 64.0 | 64.1 | 64.2  | 64.3  | 64.4 | 64.5 | 64.6 | 64.7 | 64.8 | 64.9 | 65.0  |
| 65.0 | 65.1 | 65.2  | 65.3  | 65.4 | 65.5 | 65.6 | 65.7 | 65.8 | 65.9 | 66.0  |
| 66.0 | 66.1 | 66.2  | 66.3  | 66.4 | 66.5 | 66.6 | 66.7 | 66.8 | 66.9 | 67.0  |
| 67.0 | 67.1 | 67.2  | 67.3  | 67.4 | 67.5 | 67.6 | 67.7 | 67.8 | 67.9 | 68.0  |
| 68.0 | 68.1 | 68.2  | 68.3  | 68.4 | 68.5 | 68.6 | 68.7 | 68.8 | 68.9 | 69.0  |
| 69.0 | 69.1 | 69.2  | 69.3  | 69.4 | 69.5 | 69.6 | 69.7 | 69.8 | 69.9 | 70.0  |
| 70.0 | 70.1 | 70.2  | 70.3  | 70.4 | 70.5 | 70.6 | 70.7 | 70.8 | 70.9 | 71.0  |
| 71.0 | 71.1 | 71.2  | 71.3  | 71.4 | 71.5 | 71.6 | 71.7 | 71.8 | 71.9 | 72.0  |
| 72.0 | 72.1 | 72.2  | 72.3  | 72.4 | 72.5 | 72.6 | 72.7 | 72.8 | 72.9 | 73.0  |
| 73.0 | 73.1 | 73.2  | 73.3  | 73.4 | 73.5 | 73.6 | 73.7 | 73.8 | 73.9 | 74.0  |
| 74.0 | 74.1 | 74.2  | 74.3  | 74.4 | 74.5 | 74.6 | 74.7 | 74.8 | 74.9 | 75.0  |
| 75.0 | 75.1 | 75.2  | 75.3  | 75.4 | 75.5 | 75.6 | 75.7 | 75.8 | 75.9 | 76.0  |
| 76.0 | 76.1 | 76.2  | 76.3  | 76.4 | 76.5 | 76.6 | 76.7 | 76.8 | 76.9 | 77.0  |
| 77.0 | 77.1 | 77.2  | 77.3  | 77.4 | 77.5 | 77.6 | 77.7 | 77.8 | 77.9 | 78.0  |
| 78.0 | 78.1 | 78.2  | 78.3  | 78.4 | 78.5 | 78.6 | 78.7 | 78.8 | 78.9 | 79.0  |
| 79.0 | 79.1 | 79.2  | 79.3  | 79.4 | 79.5 | 79.6 | 79.7 | 79.8 | 79.9 | 80.0  |
| 80.0 | 80.1 | 80.2  | 80.3  | 80.4 | 80.5 | 80.6 | 80.7 | 80.8 | 80.9 | 81.0  |
| 81.0 | 81.1 | 81.2  | 81.3  | 81.4 | 81.5 | 81.6 | 81.7 | 81.8 | 81.9 | 82.0  |
| 82.0 | 82.1 | 82.2  | 82.3  | 82.4 | 82.5 | 82.6 | 82.7 | 82.8 | 82.9 | 83.0  |
| 83.0 | 83.1 | 83.2  | 83.3  | 83.4 | 83.5 | 83.6 | 83.7 | 83.8 | 83.9 | 84.0  |
| 84.0 | 84.1 | 84.2  | 84.3  | 84.4 | 84.5 | 84.6 | 84.7 | 84.8 | 84.9 | 85.0  |
| 85.0 | 85.1 | 85.2  | 85.3  | 85.4 | 85.5 | 85.6 | 85.7 | 85.8 | 85.9 | 86.0  |
| 86.0 | 86.1 | 86.2  | 86.3  | 86.4 | 86.5 | 86.6 | 86.7 | 86.8 | 86.9 | 87.0  |
| 87.0 | 87.1 | 87.2  | 87.3  | 87.4 | 87.5 | 87.6 | 87.7 | 87.8 | 87.9 | 88.0  |
| 88.0 | 88.1 | 88.2  | 88.3  | 88.4 | 88.5 | 88.6 | 88.7 | 88.8 | 88.9 | 89.0  |
| 89.0 | 89.1 | 89.2  | 89.3  | 89.4 | 89.5 | 89.6 | 89.7 | 89.8 | 89.9 | 90.0  |
| 90.0 | 90.1 | 90.2  | 90.3  | 90.4 | 90.5 | 90.6 | 90.7 | 90.8 | 90.9 | 91.0  |
| 91.0 | 91.1 | 91.2  | 91.3  | 91.4 | 91.5 | 91.6 | 91.7 | 91.8 | 91.9 | 92.0  |
| 92.0 | 92.1 | 92.2  | 92.3  | 92.4 | 92.5 | 92.6 | 92.7 | 92.8 | 92.9 | 93.0  |
| 93.0 | 93.1 | 93.2  | 93.3  | 93.4 | 93.5 | 93.6 | 93.7 | 93.8 | 93.9 | 94.0  |
| 94.0 | 94.1 | 94.2  | 94.3  | 94.4 | 94.5 | 94.6 | 94.7 | 94.8 | 94.9 | 95.0  |
| 95.0 | 95.1 | 95.2  | 95.3  | 95.4 | 95.5 | 95.6 | 95.7 | 95.8 | 95.9 | 96.0  |
| 96.0 | 96.1 | 96.2  | 96.3  | 96.4 | 96.5 | 96.6 | 96.7 | 96.8 | 96.9 | 97.0  |
| 97.0 | 97.1 | 97.2  | 97.3  | 97.4 | 97.5 | 97.6 | 97.7 | 97.8 | 97.9 | 98.0  |
| 98.0 | 98.1 | 98.2  | 98.3  | 98.4 | 98.5 | 98.6 | 98.7 | 98.8 | 98.9 | 99.0  |
| 99.0 | 99.1 | 99.2  | 99.3  | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 |

OPERATING LOCATION: "A"  
 LOCATION, 194 WILL- 40

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
 FROM JULY 1964-1970

STATION NUMBER: 722270

STATION NAME: JENNINS AFB GA  
 LST TO UTC: + 5

1-1  
 1-1

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FOOT | 7<br>7 | 8<br>8 | 9<br>9 | 10<br>4 | 11<br>3 | 12<br>2 1/2 | 13<br>2 | 14<br>1 1/2 | 15<br>1 1/4 | 16<br>1 |
|------------|--------|--------|--------|---------|---------|-------------|---------|-------------|-------------|---------|
| NO CEIL    | 32.0   | 42.3   | 44.6   | 45.2    | 45.6    | 45.6        | 45.8    | 45.8        | 45.7        | 45.7    |
| SE 20000   | 42.3   | 47.0   | 49.1   | 50.1    | 50.4    | 50.5        | 50.8    | 50.8        | 50.8        | 50.8    |
| SE 18000   | 43.3   | 47.5   | 49.7   | 50.7    | 51.2    | 51.1        | 51.3    | 51.3        | 51.3        | 51.3    |
| SE 16000   | 43.6   | 47.7   | 49.8   | 50.8    | 51.1    | 51.2        | 51.4    | 51.4        | 51.4        | 51.4    |
| SE 14000   | 43.5   | 47.8   | 49.9   | 50.9    | 51.2    | 51.3        | 51.4    | 51.6        | 51.6        | 51.6    |
| SE 12000   | 44.7   | 48.0   | 51.0   | 52.0    | 52.3    | 52.4        | 52.7    | 52.7        | 52.7        | 52.7    |
| SE 10000   | 45.6   | 50.9   | 53.0   | 54.0    | 54.4    | 54.5        | 54.8    | 54.8        | 54.8        | 54.8    |
| SE 8000    | 45.9   | 51.2   | 53.3   | 54.4    | 55.2    | 55.3        | 55.7    | 55.7        | 55.7        | 55.7    |
| SE 6000    | 47.4   | 53.3   | 55.7   | 56.2    | 57.7    | 57.4        | 58.1    | 58.1        | 58.1        | 58.1    |
| SE 4000    | 49.0   | 53.8   | 56.2   | 57.6    | 57.0    | 58.0        | 58.3    | 58.3        | 58.3        | 58.3    |
| SE 3000    | 49.1   | 53.9   | 56.1   | 57.5    | 58.1    | 58.2        | 58.6    | 58.6        | 58.6        | 58.6    |
| SE 2000    | 50.1   | 54.3   | 57.1   | 58.2    | 59.1    | 59.3        | 59.7    | 59.7        | 59.7        | 59.7    |
| SE 1800    | 50.4   | 54.4   | 57.3   | 58.3    | 59.0    | 59.2        | 59.4    | 59.4        | 59.4        | 59.4    |
| SE 1600    | 51.5   | 56.7   | 59.0   | 60.1    | 61.0    | 61.2        | 61.7    | 61.7        | 61.7        | 61.7    |
| SE 1400    | 52.2   | 57.4   | 59.8   | 61.1    | 62.1    | 62.3        | 62.9    | 62.9        | 62.9        | 62.9    |
| SE 1200    | 53.7   | 59.1   | 61.5   | 63.2    | 64.4    | 64.2        | 65.4    | 65.6        | 65.6        | 65.6    |
| SE 1000    | 54.3   | 60.3   | 62.3   | 64.4    | 65.2    | 65.2        | 66.7    | 67.0        | 67.0        | 67.0    |
| SE 800     | 57.3   | 63.0   | 65.7   | 67.5    | 69.0    | 69.7        | 70.2    | 70.4        | 70.4        | 70.4    |
| SE 600     | 58.2   | 64.0   | 66.7   | 68.8    | 70.2    | 70.2        | 71.4    | 71.7        | 71.7        | 71.7    |
| SE 400     | 59.3   | 66.4   | 70.1   | 72.2    | 73.7    | 74.3        | 75.0    | 75.2        | 75.2        | 75.2    |
| SE 200     | 61.5   | 67.9   | 72.0   | 74.3    | 75.9    | 75.6        | 77.2    | 77.4        | 77.4        | 77.4    |
| SE 1000    | 63.3   | 70.1   | 74.3   | 76.5    | 78.3    | 78.0        | 79.9    | 80.1        | 80.1        | 80.1    |
| SE 800     | 63.9   | 70.5   | 75.2   | 77.0    | 79.5    | 80.2        | 81.1    | 81.3        | 81.3        | 81.3    |
| SE 600     | 64.4   | 71.7   | 76.3   | 79.4    | 81.5    | 82.3        | 83.3    | 83.7        | 83.7        | 83.7    |
| SE 400     | 65.2   | 72.7   | 77.4   | 81.1    | 84.0    | 84.0        | 85.3    | 85.7        | 85.7        | 85.7    |
| SE 200     | 65.4   | 73.2   | 78.2   | 82.3    | 85.7    | 85.6        | 88.1    | 88.5        | 88.5        | 88.5    |
| SE 100     | 65.6   | 73.5   | 78.7   | 83.6    | 87.7    | 88.5        | 90.4    | 91.2        | 91.2        | 91.2    |
| SE 400     | 65.7   | 73.8   | 79.2   | 84.7    | 89.0    | 89.0        | 92.3    | 93.0        | 93.0        | 93.0    |
| SE 300     | 65.9   | 74.1   | 79.7   | 85.1    | 89.3    | 89.3        | 92.1    | 93.8        | 93.4        | 93.4    |
| SE 200     | 65.9   | 74.1   | 79.7   | 85.1    | 89.3    | 89.3        | 92.3    | 95.2        | 95.9        | 95.9    |
| SE 100     | 65.9   | 74.1   | 79.7   | 85.1    | 89.3    | 89.3        | 94.4    | 95.3        | 97.1        | 97.1    |
| SE 200     | 65.9   | 74.1   | 79.7   | 85.1    | 89.3    | 89.3        | 94.4    | 95.3        | 97.1        | 97.1    |

TOTAL NUMBER OF OBSERVATIONS 900

F

0 - 2 - 35

1  
1

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM AIRCRAFT OBSERVATIONS

PERIOD OF RECORD: JUN 72 - MAY 73  
MONTH: NOV HOURS: 00-11

| CITY IN STATUTE MILES |       |       |      |      |      |      |      |      |       |
|-----------------------|-------|-------|------|------|------|------|------|------|-------|
| 0                     | 0     | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0     |
| 0                     | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/5  | 1/4  | 0     |
| 45.2                  | 45.3  | 45.2  | 45.2 | 45.2 | 45.3 | 45.2 | 45.1 | 45.3 | 45.2  |
| 50.1                  | 50.2  | 50.1  | 50.2 | 50.1 | 50.2 | 50.1 | 50.1 | 50.1 | 50.2  |
| 51.3                  | 51.3  | 51.3  | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3  |
| 51.4                  | 51.4  | 51.4  | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4  |
| 51.5                  | 51.5  | 51.5  | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5  |
| 52.7                  | 52.7  | 52.7  | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7  |
| 54.1                  | 54.2  | 54.1  | 54.1 | 54.1 | 54.2 | 54.2 | 54.1 | 54.3 | 54.2  |
| 55.7                  | 55.7  | 55.7  | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7  |
| 56.1                  | 56.1  | 56.1  | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1  |
| 56.3                  | 56.3  | 56.3  | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3  |
| 56.5                  | 56.5  | 56.5  | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5  |
| 59.7                  | 59.7  | 59.7  | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7  |
| 60.4                  | 60.4  | 60.4  | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4  |
| 61.1                  | 61.2  | 61.1  | 61.1 | 61.2 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3  |
| 62.2                  | 62.2  | 62.2  | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2  |
| 65.4                  | 65.5  | 65.5  | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5  |
| 67.2                  | 67.2  | 67.2  | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2  |
| 70.2                  | 70.4  | 70.4  | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4  |
| 71.4                  | 71.7  | 71.7  | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7  |
| 75.2                  | 75.2  | 75.2  | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2  |
| 77.2                  | 77.4  | 77.4  | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4  |
| 79.2                  | 79.1  | 79.1  | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1  |
| 81.1                  | 81.3  | 81.3  | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3  |
| 83.3                  | 83.7  | 83.7  | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7  |
| 85.3                  | 85.7  | 85.7  | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7  |
| 86.1                  | 86.5  | 86.5  | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5  |
| 90.4                  | 91.2  | 91.3  | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4  |
| 92.5                  | 94.1  | 94.1  | 94.5 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7  |
| 94.1                  | 95.8  | 95.4  | 97.1 | 97.3 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5  |
| 96.3                  | 96.2  | 96.2  | 97.1 | 97.4 | 97.7 | 97.9 | 99.1 | 99.3 | 99.3  |
| 96.4                  | 96.3  | 97.1  | 96.2 | 96.2 | 99.0 | 99.3 | 99.6 | 99.3 | 99.3  |
| 98.4                  | 96.3  | 97.1  | 96.2 | 96.3 | 99.0 | 99.3 | 99.5 | 99.9 | 100.0 |

OPERATING LOCATION "A"  
USAF TAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
4234 JULY 1954-7511

STATION NUMBER: 722270

STATION NAME: GORRIS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |      |       |      |       |      |       |      |       |       |
|-----------------------|-----------------------------|------|-------|------|-------|------|-------|------|-------|-------|
|                       | 5 1/2                       | 5    | 4 1/2 | 4    | 3 1/2 | 3    | 2 1/2 | 2    | 1 1/2 | 1 1/4 |
| NO CEIL               | 44.9                        | 45.2 | 46.4  | 46.6 | 46.7  | 46.7 | 46.7  | 46.7 | 46.7  | 46.7  |
| GE 20000              | 53.4                        | 54.4 | 55.2  | 55.3 | 55.4  | 55.4 | 55.4  | 55.4 | 55.4  | 55.4  |
| GE 18000              | 53.4                        | 55.2 | 55.7  | 55.8 | 55.9  | 55.9 | 55.9  | 55.9 | 55.9  | 55.9  |
| GE 16000              | 53.4                        | 55.2 | 55.7  | 55.8 | 55.9  | 55.9 | 55.9  | 55.9 | 55.9  | 55.9  |
| GE 14000              | 53.4                        | 55.2 | 55.7  | 55.8 | 55.9  | 55.9 | 55.9  | 55.9 | 55.9  | 55.9  |
| GE 12000              | 55.6                        | 56.9 | 57.3  | 57.4 | 57.5  | 57.5 | 57.5  | 57.5 | 57.5  | 57.5  |
| GE 10000              | 55.4                        | 57.2 | 58.4  | 58.5 | 58.7  | 58.7 | 58.7  | 58.7 | 58.7  | 58.7  |
| GE 9000               | 55.4                        | 58.4 | 59.1  | 59.3 | 59.4  | 59.4 | 59.4  | 59.4 | 59.4  | 59.4  |
| GE 8000               | 59.2                        | 61.1 | 61.6  | 62.0 | 62.1  | 62.1 | 62.1  | 62.1 | 62.1  | 62.1  |
| GE 7000               | 62.1                        | 62.6 | 62.7  | 62.7 | 63.0  | 63.1 | 63.1  | 63.1 | 63.1  | 63.1  |
| GE 6000               | 62.1                        | 62.7 | 62.7  | 62.7 | 63.0  | 63.1 | 63.1  | 63.1 | 63.1  | 63.1  |
| GE 5000               | 61.6                        | 63.4 | 64.1  | 64.3 | 64.5  | 64.7 | 64.7  | 64.7 | 64.7  | 64.7  |
| GE 4500               | 61.6                        | 63.4 | 64.4  | 64.7 | 64.9  | 65.0 | 65.0  | 65.0 | 65.0  | 65.0  |
| GE 4000               | 63.4                        | 64.4 | 65.5  | 65.6 | 65.8  | 65.8 | 65.8  | 65.8 | 65.8  | 65.8  |
| GE 3500               | 63.7                        | 65.7 | 66.3  | 66.5 | 66.6  | 66.9 | 66.9  | 66.9 | 66.9  | 66.9  |
| GE 3000               | 65.0                        | 66.1 | 66.3  | 67.2 | 67.7  | 67.8 | 67.8  | 67.9 | 67.9  | 67.9  |
| GE 2500               | 68.4                        | 70.7 | 71.4  | 71.7 | 72.3  | 72.4 | 72.4  | 72.6 | 72.6  | 72.6  |
| GE 2000               | 71.7                        | 74.2 | 75.1  | 75.5 | 75.8  | 75.8 | 75.8  | 75.8 | 75.8  | 75.8  |
| GE 1800               | 72.0                        | 74.7 | 75.5  | 75.7 | 75.8  | 75.9 | 77.0  | 77.1 | 77.1  | 77.1  |
| GE 1600               | 74.3                        | 77.5 | 78.0  | 78.4 | 78.6  | 78.7 | 78.8  | 78.8 | 78.8  | 78.8  |
| GE 1400               | 75.5                        | 78.7 | 78.7  | 78.8 | 78.9  | 78.9 | 78.9  | 78.9 | 78.9  | 78.9  |
| GE 1200               | 77.3                        | 81.3 | 81.4  | 81.4 | 81.4  | 81.4 | 81.4  | 81.4 | 81.4  | 81.4  |
| GE 1000               | 77.1                        | 81.4 | 81.5  | 81.7 | 81.8  | 81.8 | 81.8  | 81.8 | 81.8  | 81.8  |
| GE 900                | 77.4                        | 81.7 | 81.8  | 81.8 | 81.8  | 81.8 | 81.8  | 81.8 | 81.8  | 81.8  |
| GE 800                | 77.3                        | 82.7 | 85.2  | 86.2 | 87.2  | 87.5 | 87.5  | 87.5 | 87.5  | 87.5  |
| GE 700                | 77.3                        | 83.2 | 85.0  | 85.1 | 85.3  | 85.3 | 85.3  | 85.3 | 85.3  | 85.3  |
| GE 600                | 77.3                        | 83.2 | 85.0  | 85.1 | 85.3  | 85.3 | 85.3  | 85.3 | 85.3  | 85.3  |
| GE 500                | 77.4                        | 83.4 | 85.5  | 85.4 | 85.5  | 85.5 | 85.5  | 85.5 | 85.5  | 85.5  |
| GE 400                | 73.4                        | 83.7 | 85.9  | 86.0 | 86.5  | 86.7 | 86.7  | 86.7 | 86.7  | 86.7  |
| GE 300                | 73.6                        | 83.9 | 87.1  | 87.1 | 87.1  | 87.1 | 87.1  | 87.1 | 87.1  | 87.1  |
| GE 200                | 73.6                        | 83.9 | 87.1  | 87.1 | 87.1  | 87.1 | 87.1  | 87.1 | 87.1  | 87.1  |
| GE 100                | 73.6                        | 83.9 | 87.1  | 87.1 | 87.1  | 87.1 | 87.1  | 87.1 | 87.1  | 87.1  |

TOTAL NUMBER OF OBSERVATIONS 900

8

1 - 2 - 31

1. 2. 3. 4.

MONTH: NOV      DAYS: 12-14

1 - 2 - 3:

OPERATING LOCATION: WAW  
USAFPTAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE IN  
EIGHT HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: GOBBINS AFB GA  
LST TO UTC: + 5

Page  
1000

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |    |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|----|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |    |
| NO CEIL               | 46.2                        | 46.2    | 46.2    | 46.2    | 46.2    | 46.2        | 46.2    | 46.2        | 46.2        | 4  |
| GE 20000              | 55.7                        | 55.7    | 55.8    | 56.0    | 56.0    | 56.0        | 56.0    | 56.0        | 56.0        | 5  |
| GE 18000              | 55.9                        | 55.9    | 56.0    | 56.2    | 56.2    | 56.2        | 56.2    | 56.2        | 56.2        | 5  |
| GE 16000              | 55.9                        | 55.9    | 56.0    | 56.2    | 56.2    | 56.2        | 56.2    | 56.2        | 56.2        | 5  |
| GE 14000              | 56.7                        | 56.7    | 56.8    | 57.0    | 57.0    | 57.0        | 57.0    | 57.0        | 57.0        | 57 |
| GE 12000              | 58.6                        | 58.6    | 58.7    | 58.9    | 58.9    | 58.9        | 58.9    | 58.9        | 58.9        | 5  |
| GE 10000              | 61.2                        | 61.3    | 61.4    | 61.7    | 61.7    | 61.7        | 61.7    | 61.7        | 61.7        | 61 |
| GE 9000               | 62.0                        | 62.1    | 62.2    | 62.4    | 62.4    | 62.4        | 62.4    | 62.4        | 62.4        | 62 |
| GE 8000               | 64.1                        | 64.4    | 64.6    | 64.6    | 64.9    | 64.9        | 64.9    | 64.9        | 64.9        | 64 |
| GE 7000               | 64.3                        | 64.7    | 64.8    | 65.1    | 65.2    | 65.2        | 65.2    | 65.2        | 65.2        | 65 |
| GE 6000               | 64.3                        | 64.7    | 64.8    | 65.1    | 65.2    | 65.2        | 65.2    | 65.2        | 65.2        | 65 |
| GE 5000               | 65.4                        | 65.9    | 66.0    | 66.3    | 66.4    | 66.4        | 66.4    | 66.4        | 66.4        | 66 |
| GE 4500               | 65.5                        | 66.0    | 66.1    | 66.4    | 66.5    | 66.5        | 66.5    | 66.5        | 66.5        | 66 |
| GE 4000               | 68.3                        | 69.5    | 69.7    | 70.0    | 70.2    | 70.2        | 70.2    | 70.4        | 70.4        | 70 |
| GE 3500               | 71.3                        | 72.1    | 72.2    | 72.7    | 72.9    | 72.9        | 72.9    | 73.1        | 73.1        | 73 |
| GE 3000               | 73.5                        | 74.9    | 75.4    | 75.9    | 75.4    | 75.5        | 75.5    | 75.9        | 75.9        | 75 |
| GE 2500               | 75.4                        | 77.0    | 77.8    | 78.3    | 79.0    | 79.1        | 79.5    | 79.8        | 79.8        | 79 |
| GE 2000               | 77.5                        | 79.7    | 80.8    | 81.4    | 82.1    | 82.2        | 82.7    | 83.0        | 83.0        | 83 |
| GE 1800               | 78.0                        | 80.2    | 81.3    | 82.0    | 82.7    | 82.8        | 83.2    | 83.5        | 83.5        | 83 |
| GE 1600               | 79.9                        | 82.4    | 84.0    | 84.8    | 85.6    | 85.7        | 86.1    | 86.4        | 86.4        | 86 |
| GE 1400               | 81.3                        | 84.1    | 85.6    | 87.0    | 87.9    | 88.0        | 88.4    | 88.8        | 88.8        | 88 |
| GE 1200               | 81.3                        | 84.1    | 85.6    | 87.0    | 87.9    | 88.0        | 88.4    | 88.8        | 88.8        | 88 |
| GE 1000               | 81.3                        | 84.1    | 85.6    | 87.0    | 87.9    | 88.0        | 88.4    | 88.8        | 88.8        | 88 |
| GE 900                | 81.4                        | 84.3    | 85.8    | 87.5    | 89.0    | 89.1        | 89.7    | 90.0        | 90.0        | 90 |
| GE 800                | 81.5                        | 84.7    | 86.3    | 88.1    | 89.6    | 89.6        | 90.3    | 90.9        | 90.9        | 91 |
| GE 700                | 81.7                        | 85.3    | 87.0    | 88.9    | 90.3    | 91.1        | 91.9    | 92.4        | 92.4        | 92 |
| GE 600                | 81.9                        | 85.3    | 87.4    | 89.1    | 90.1    | 92.7        | 93.3    | 94.3        | 94.3        | 94 |
| GE 500                | 81.9                        | 86.0    | 88.3    | 90.9    | 93.2    | 93.5        | 93.5    | 95.2        | 95.3        | 95 |
| GE 400                | 81.9                        | 86.0    | 88.3    | 90.9    | 93.2    | 93.9        | 95.0    | 96.3        | 97.1        | 97 |
| GE 300                | 81.9                        | 86.0    | 88.3    | 91.0    | 93.4    | 94.1        | 95.3    | 97.4        | 98.0        | 98 |
| GE 200                | 81.9                        | 86.0    | 88.3    | 91.0    | 93.4    | 94.1        | 95.4    | 97.8        | 98.3        | 98 |
| GE 100                | 81.9                        | 86.0    | 88.3    | 91.0    | 93.4    | 94.1        | 95.4    | 97.8        | 98.3        | 98 |
| GE 000                | 81.9                        | 86.0    | 88.3    | 91.0    | 93.4    | 94.1        | 95.4    | 97.8        | 98.3        | 98 |

TOTAL NUMBER OF OBSERVATIONS 900

1

1 - 2 - 92

PERIOD OF EFFECT: JUN 78 - MAY 80  
MONTH: NOV HOURS: 15-17

[illegible]



OPERATING LOCATION "A"  
USAFCTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

722270  
722270

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>5 | GE<br>3 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 53.5                        | 53.8    | 54.1    | 54.2    | 54.2    | 54.2        | 54.2    | 54.2        | 54.2        | 54.2    |
| GE 20000              | 59.3                        | 59.1    | 59.3    | 51.1    | 51.1    | 51.1        | 51.1    | 51.1        | 51.1        | 51.1    |
| GE 18000              | 59.3                        | 59.1    | 59.3    | 51.1    | 51.1    | 51.1        | 51.1    | 51.1        | 51.1        | 51.1    |
| GE 16000              | 59.3                        | 59.1    | 59.3    | 51.1    | 51.1    | 51.1        | 51.1    | 51.1        | 51.1        | 51.1    |
| GE 14000              | 59.3                        | 59.7    | 51.3    | 51.7    | 51.7    | 51.7        | 51.7    | 51.7        | 51.7        | 51.7    |
| GE 12000              | 51.6                        | 51.9    | 52.5    | 52.9    | 52.9    | 52.9        | 52.9    | 52.9        | 52.9        | 52.9    |
| GE 10000              | 54.3                        | 55.0    | 55.3    | 55.1    | 55.1    | 55.1        | 55.1    | 55.1        | 55.1        | 55.1    |
| GE 9000               | 55.1                        | 55.0    | 55.3    | 57.1    | 57.1    | 57.1        | 57.1    | 57.1        | 57.1        | 57.1    |
| GE 8000               | 57.5                        | 58.9    | 59.7    | 70.0    | 70.0    | 70.0        | 70.0    | 70.0        | 70.0        | 70.0    |
| GE 7000               | 57.8                        | 59.2    | 70.0    | 70.3    | 70.3    | 70.3        | 70.3    | 70.3        | 70.3        | 70.3    |
| GE 6000               | 58.3                        | 59.8    | 70.5    | 70.9    | 70.9    | 70.9        | 70.9    | 70.9        | 70.9        | 70.9    |
| GE 5000               | 59.1                        | 70.5    | 71.4    | 71.9    | 71.9    | 71.9        | 71.9    | 71.9        | 71.9        | 71.9    |
| GE 4500               | 59.4                        | 70.9    | 71.5    | 72.2    | 72.2    | 72.2        | 72.2    | 72.2        | 72.2        | 72.2    |
| GE 4000               | 71.4                        | 73.0    | 74.1    | 74.5    | 74.5    | 74.5        | 74.5    | 74.5        | 74.5        | 74.5    |
| GE 3500               | 73.0                        | 74.5    | 75.1    | 75.7    | 75.7    | 75.7        | 75.7    | 75.7        | 75.7        | 75.7    |
| GE 3000               | 74.7                        | 75.6    | 75.1    | 75.9    | 75.9    | 75.9        | 75.9    | 75.9        | 75.9        | 75.9    |
| GE 2500               | 76.4                        | 77.3    | 80.0    | 80.3    | 80.9    | 80.9        | 81.0    | 81.0        | 81.0        | 81.0    |
| GE 2000               | 75.4                        | 80.8    | 82.5    | 83.3    | 84.0    | 84.0        | 84.4    | 84.4        | 84.4        | 84.4    |
| GE 1800               | 79.1                        | 81.4    | 83.2    | 84.5    | 84.7    | 84.5        | 85.2    | 85.2        | 85.2        | 85.2    |
| GE 1500               | 80.0                        | 82.4    | 84.3    | 85.7    | 85.1    | 85.1        | 85.5    | 85.5        | 85.5        | 85.5    |
| GE 1200               | 80.9                        | 83.3    | 85.2    | 85.7    | 87.3    | 87.3        | 87.9    | 88.0        | 88.0        | 88.0    |
| GE 1000               | 81.1                        | 83.7    | 85.5    | 87.0    | 87.9    | 88.0        | 88.5    | 88.7        | 88.7        | 88.7    |
| GE 900                | 81.2                        | 83.9    | 85.3    | 87.4    | 88.5    | 88.3        | 88.4    | 88.5        | 88.5        | 88.5    |
| GE 800                | 81.4                        | 84.3    | 85.7    | 88.7    | 89.0    | 89.0        | 89.2    | 89.0        | 89.0        | 89.0    |
| GE 700                | 81.5                        | 84.5    | 87.0    | 89.2    | 89.5    | 89.3        | 91.4    | 91.5        | 91.5        | 91.5    |
| GE 600                | 81.3                        | 84.8    | 87.3    | 89.9    | 91.5    | 91.2        | 92.7    | 92.4        | 92.8        | 92.8    |
| GE 500                | 81.0                        | 85.1    | 88.3    | 91.0    | 92.2    | 93.0        | 94.2    | 94.4        | 94.4        | 94.4    |
| GE 400                | 81.9                        | 85.1    | 88.3    | 91.5    | 93.7    | 93.9        | 95.2    | 95.7        | 95.7        | 95.7    |
| GE 300                | 81.0                        | 85.1    | 88.5    | 91.9    | 94.5    | 94.8        | 95.3    | 97.2        | 97.2        | 97.2    |
| GE 200                | 81.9                        | 85.1    | 88.5    | 92.0    | 94.8    | 95.0        | 97.2    | 98.0        | 98.0        | 98.0    |
| GE 100                | 81.9                        | 85.1    | 88.5    | 92.0    | 94.3    | 95.0        | 97.2    | 98.1        | 98.1        | 98.1    |
| GE 000                | 81.0                        | 85.1    | 88.6    | 92.0    | 94.5    | 95.0        | 97.2    | 98.1        | 98.1        | 98.1    |

TOTAL NUMBER OF OBSERVATIONS 300

R

0 - 2 - 00

### FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUN 74 - MAY 85  
MONTH: NOV HOURS: 18-20

.....  
MILEAGE IN STATUTE MILES

|     |    |     |    |     |     |     |     |     |    |
|-----|----|-----|----|-----|-----|-----|-----|-----|----|
|     | GE | GF  | GE | GE  | GF  | GE  | GF  | GF  | GF |
| 1/2 | 1  | 1/2 | 1  | 3/4 | 5/6 | 1/2 | 3/4 | 1/4 | 0  |

54.2 54.2 54.2 54.2 54.2 54.2 54.2 54.2 54.2 54.2

[illegible][illegible][illegible][illegible][illegible]

|    |      |      |      |      |      |      |      |      |      |      |
|----|------|------|------|------|------|------|------|------|------|------|
| .1 | 55.1 | 55.1 | 66.1 | 55.1 | 66.1 | 55.1 | 55.1 | 55.1 | 65.1 | 55.1 |
|----|------|------|------|------|------|------|------|------|------|------|

[illegible][illegible][illegible][illegible][illegible][illegible]

|  |      |      |      |      |      |      |      |      |      |      |
|--|------|------|------|------|------|------|------|------|------|------|
|  | 74.5 | 74.5 | 74.5 | 74.5 | 74.6 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
|--|------|------|------|------|------|------|------|------|------|------|

[illegible]

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 72.9 | 73.9 | 75.9 | 75.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 75.9 |
|------|------|------|------|------|------|------|------|------|------|------|

[illegible]

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 |
| 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 |

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 35.1 | 35.5 | 35.5 | 35.6 | 35.8 | 36.5 | 35.7 | 35.7 | 35.7 | 35.7 | 36.7 |
|------|------|------|------|------|------|------|------|------|------|------|

|   |      |      |      |      |      |      |      |      |      |      |
|---|------|------|------|------|------|------|------|------|------|------|
| 3 | 37.9 | 38.0 | 33.0 | 33.0 | 32.0 | 33.1 | 33.1 | 35.1 | 33.1 | 32.1 |
|---|------|------|------|------|------|------|------|------|------|------|

0.0 13.5 43.7 55.7 73.7 85.7 93.3 95.3 97.3 99.3

|     |      |      |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|------|------|
| ... | 39.4 | 39.5 | 39.5 | 39.5 | 39.5 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
|-----|------|------|------|------|------|------|------|------|------|------|

|   |      |      |      |      |      |      |      |      |      |      |
|---|------|------|------|------|------|------|------|------|------|------|
| 2 | 22.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 |
|---|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 92.7 | 92.4 | 92.3 | 92.3 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 94.1 | 94.2 | 94.4 | 94.4 | 94.5 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
|------|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 95.2 | 95.2 | 95.7 | 95.7 | 95.8 | 95.4 | 95.7 | 95.9 | 95.9 | 95.9 | 95.7 |
|------|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|
| 97.2 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| 97.3 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.5 | 97.6 | 97.5 | 97.5 | 97.5 |

|      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|
| 97.2 | 98.0 | 98.0 | 98.3 | 98.4 | 98.7 | 98.8 | 98.9 | 99.1 | 99.1 |
|------|------|------|------|------|------|------|------|------|------|

|      |      |      |      |      |      |      |      |      |       |       |
|------|------|------|------|------|------|------|------|------|-------|-------|
| 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981  | 1982  |
| 97.2 | 98.1 | 98.1 | 98.5 | 99.1 | 99.3 | 99.4 | 99.5 | 99.9 | 100.0 | 100.0 |

|      |      |      |      |      |      |      |      |      |       |
|------|------|------|------|------|------|------|------|------|-------|
| 97.2 | 98.1 | 98.1 | 98.6 | 99.1 | 99.3 | 99.4 | 99.6 | 99.9 | 100.0 |
|------|------|------|------|------|------|------|------|------|-------|

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

CEILING  
IN  
FEET

VISIBILITY IN STATUTE MILES

|          | GE<br>7 | GE<br>5 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |  |
|----------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|--|
| NO CEIL  | 54.3    | 54.7    | 55.7    | 56.1    | 56.4    | 56.4        | 56.6    | 56.6        | 56.6        |  |
| GE 20000 | 59.3    | 60.1    | 61.2    | 61.7    | 62.0    | 62.0        | 62.1    | 62.1        | 62.1        |  |
| GE 18000 | 59.3    | 60.1    | 61.2    | 61.7    | 62.0    | 62.0        | 62.1    | 62.1        | 62.1        |  |
| GE 16000 | 59.3    | 60.1    | 61.2    | 61.7    | 62.0    | 62.0        | 62.1    | 62.1        | 62.1        |  |
| GE 14000 | 59.3    | 60.1    | 61.2    | 61.7    | 62.0    | 62.0        | 62.1    | 62.1        | 62.1        |  |
| GE 12000 | 59.9    | 60.7    | 61.3    | 62.2    | 62.5    | 62.6        | 62.7    | 62.7        | 62.7        |  |
| GE 10000 | 61.7    | 62.7    | 63.3    | 64.3    | 64.7    | 64.7        | 64.8    | 64.8        | 64.8        |  |
| GE 9000  | 62.0    | 63.2    | 64.5    | 65.0    | 65.3    | 65.3        | 65.4    | 65.4        | 65.4        |  |
| GE 8000  | 63.1    | 65.0    | 66.6    | 67.0    | 67.3    | 67.3        | 67.4    | 67.4        | 67.4        |  |
| GE 7000  | 64.3    | 65.3    | 67.3    | 67.8    | 68.1    | 68.1        | 68.2    | 68.2        | 68.2        |  |
| GE 6000  | 64.5    | 66.0    | 67.6    | 68.0    | 68.3    | 68.3        | 68.4    | 68.4        | 68.4        |  |
| GE 5000  | 65.7    | 67.4    | 69.2    | 69.7    | 70.3    | 70.3        | 70.4    | 70.4        | 70.4        |  |
| GE 4500  | 66.0    | 67.8    | 69.6    | 70.0    | 70.7    | 70.7        | 70.8    | 70.8        | 70.8        |  |
| GE 4000  | 69.2    | 71.0    | 73.1    | 73.5    | 74.2    | 74.2        | 74.3    | 74.3        | 74.3        |  |
| GE 3500  | 70.3    | 72.5    | 75.1    | 75.6    | 76.2    | 76.2        | 76.3    | 76.3        | 76.3        |  |
| GE 3000  | 71.7    | 74.2    | 76.7    | 77.3    | 78.0    | 78.0        | 78.1    | 78.1        | 78.1        |  |
| GE 2500  | 72.7    | 75.3    | 78.1    | 78.5    | 79.3    | 79.3        | 79.4    | 79.4        | 79.4        |  |
| GE 2000  | 75.0    | 78.3    | 81.1    | 81.5    | 82.3    | 82.3        | 82.4    | 82.4        | 82.4        |  |
| GE 1800  | 75.7    | 79.0    | 81.5    | 82.2    | 83.0    | 83.0        | 83.2    | 83.2        | 83.2        |  |
| GE 1500  | 75.7    | 80.0    | 82.3    | 83.3    | 84.2    | 84.2        | 84.7    | 84.7        | 84.7        |  |
| GE 1200  | 77.0    | 80.7    | 83.3    | 84.5    | 85.7    | 85.3        | 85.3    | 85.3        | 85.3        |  |
| GE 1000  | 77.7    | 81.5    | 85.0    | 85.0    | 87.3    | 87.4        | 88.1    | 88.1        | 88.1        |  |
| GE 900   | 78.0    | 82.0    | 85.7    | 85.5    | 88.1    | 88.2        | 88.2    | 88.2        | 88.2        |  |
| GE 800   | 78.0    | 82.1    | 85.0    | 87.1    | 88.4    | 88.5        | 89.2    | 89.2        | 89.2        |  |
| GE 700   | 78.0    | 82.4    | 86.2    | 87.7    | 89.5    | 89.7        | 90.3    | 90.4        | 90.4        |  |
| GE 600   | 78.1    | 82.3    | 86.3    | 88.3    | 91.1    | 91.2        | 92.0    | 92.1        | 92.1        |  |
| GE 500   | 78.3    | 83.4    | 87.4    | 89.5    | 91.9    | 92.0        | 93.0    | 93.3        | 93.3        |  |
| GE 400   | 78.3    | 83.4    | 87.7    | 90.3    | 92.8    | 92.9        | 94.0    | 94.3        | 94.5        |  |
| GE 300   | 78.3    | 83.4    | 87.7    | 90.4    | 93.6    | 93.7        | 95.0    | 95.9        | 95.9        |  |
| GE 200   | 78.3    | 83.4    | 87.8    | 90.9    | 94.3    | 94.5        | 95.1    | 97.3        | 97.4        |  |
| GE 100   | 78.3    | 83.4    | 87.8    | 90.9    | 94.3    | 94.6        | 95.3    | 97.3        | 97.9        |  |
| GE 000   | 78.3    | 83.4    | 87.8    | 90.9    | 94.3    | 94.5        | 95.3    | 97.5        | 97.9        |  |

TOTAL NUMBER OF OBSERVATIONS 300

f

7 - 2 - 74

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

ARL 04

PERIOD OF RECORD: JUN 78 - MAY 84  
MONTH: NOV HOURS: 21-23

.....  
VISIBILITY IN STATUTE MILES

|       | SE    | SE    | SE    | SE    | SE    | SE    | SE    | SE    | SE    | SE    |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1/2   | 2     | 1 1/2 | 1 1/4 | 1     | 3/4   | 5/8   | 1/2   | 3/8   | 1/4   | 0     |
| 64.4  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  | 55.6  |
| 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  |
| 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  |
| 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  |
| 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  | 62.1  |
| 62.7  | 62.7  | 62.7  | 62.7  | 62.7  | 62.7  | 62.7  | 62.7  | 62.7  | 62.7  | 62.7  |
| 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  | 64.8  |
| 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  | 65.4  |
| 67.4  | 67.4  | 67.4  | 67.4  | 67.4  | 67.4  | 67.4  | 67.4  | 67.4  | 67.4  | 67.4  |
| 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  | 68.2  |
| 68.4  | 68.4  | 68.4  | 68.4  | 68.4  | 68.4  | 68.4  | 68.4  | 68.4  | 68.4  | 68.4  |
| 70.4  | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  | 70.4  |
| 70.8  | 70.8  | 70.8  | 70.8  | 70.8  | 70.8  | 70.8  | 70.8  | 70.8  | 70.8  | 70.8  |
| 74.3  | 74.3  | 74.3  | 74.3  | 74.3  | 74.3  | 74.3  | 74.3  | 74.3  | 74.3  | 74.3  |
| 76.3  | 76.3  | 76.3  | 76.3  | 76.3  | 76.3  | 76.3  | 76.3  | 76.3  | 76.3  | 76.3  |
| 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  | 78.1  |
| 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  |
| 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  | 82.4  |
| 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  | 83.2  |
| 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  | 84.7  |
| 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  | 86.3  |
| 88.1  | 88.1  | 88.1  | 88.1  | 88.1  | 88.1  | 88.1  | 88.1  | 88.1  | 88.1  | 88.1  |
| 88.9  | 88.9  | 88.9  | 88.9  | 88.9  | 88.9  | 88.9  | 88.9  | 88.9  | 88.9  | 88.9  |
| 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  | 89.2  |
| 90.4  | 90.4  | 90.4  | 90.4  | 90.4  | 90.4  | 90.4  | 90.4  | 90.4  | 90.4  | 90.4  |
| 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  | 92.1  |
| 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  |
| 94.8  | 94.8  | 94.8  | 94.8  | 94.8  | 94.8  | 94.8  | 94.8  | 94.8  | 94.8  | 94.8  |
| 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  | 95.0  |
| 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  | 98.6  |
| 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  | 99.7  |
| 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  | 99.8  |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

DATE  
MONTH

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 45.9                        | 47.5    | 43.5    | 49.0    | 49.1    | 49.1        | 49.2    | 49.2        | 49.2        | 49.2    |
| GE 20000              | 51.5                        | 53.4    | 54.7    | 55.2    | 55.4    | 55.4        | 55.5    | 55.5        | 55.6        | 55.6    |
| GE 18000              | 51.3                        | 53.6    | 54.9    | 55.4    | 55.5    | 55.7        | 55.7    | 55.7        | 55.8        | 55.8    |
| GE 16000              | 51.3                        | 53.7    | 54.9    | 55.5    | 55.7    | 55.7        | 55.8    | 55.8        | 55.8        | 55.8    |
| GE 14000              | 52.1                        | 54.0    | 55.3    | 55.8    | 56.0    | 56.0        | 56.1    | 56.1        | 56.2        | 56.2    |
| GE 12000              | 53.3                        | 55.2    | 56.4    | 57.0    | 57.2    | 57.2        | 57.3    | 57.3        | 57.3        | 57.3    |
| GE 10000              | 55.3                        | 57.3    | 59.7    | 59.9    | 59.4    | 59.5        | 59.5    | 59.6        | 59.6        | 59.6    |
| GE 9000               | 55.3                        | 57.0    | 59.3    | 59.9    | 60.2    | 60.2        | 60.3    | 60.3        | 60.4        | 60.4    |
| GE 8000               | 57.3                        | 59.2    | 61.5    | 62.3    | 62.7    | 62.7        | 62.8    | 62.9        | 62.9        | 62.9    |
| GE 7000               | 58.2                        | 60.7    | 62.2    | 62.5    | 63.2    | 63.3        | 63.4    | 63.4        | 63.4        | 63.4    |
| GE 6000               | 58.4                        | 60.8    | 62.3    | 63.0    | 63.4    | 63.4        | 63.5    | 63.5        | 63.5        | 63.5    |
| GE 5000               | 59.4                        | 61.9    | 63.5    | 64.2    | 64.7    | 64.7        | 64.9    | 64.9        | 64.9        | 64.9    |
| GE 4500               | 59.3                        | 62.4    | 64.0    | 64.8    | 65.2    | 65.3        | 65.4    | 65.5        | 65.5        | 65.5    |
| GE 4000               | 51.7                        | 64.3    | 65.1    | 66.9    | 67.4    | 67.5        | 67.5    | 67.7        | 67.7        | 67.7    |
| GE 3500               | 62.9                        | 65.7    | 67.5    | 68.5    | 69.0    | 69.1        | 69.2    | 69.3        | 69.3        | 69.3    |
| GE 3000               | 64.3                        | 67.9    | 70.0    | 71.0    | 71.6    | 71.7        | 71.9    | 72.0        | 72.1        | 72.1    |
| GE 2500               | 66.3                        | 69.6    | 71.7    | 72.8    | 73.5    | 73.6        | 73.9    | 74.1        | 74.1        | 74.1    |
| GE 2000               | 68.7                        | 72.4    | 74.5    | 75.9    | 76.7    | 76.9        | 77.2    | 77.4        | 77.4        | 77.4    |
| GE 1800               | 69.3                        | 73.0    | 75.3    | 76.5    | 77.5    | 77.5        | 78.0    | 78.2        | 78.2        | 78.2    |
| GE 1600               | 70.9                        | 74.3    | 77.5    | 78.9    | 79.9    | 80.0        | 80.5    | 80.5        | 80.7        | 80.7    |
| GE 1200               | 72.2                        | 75.4    | 79.3    | 81.0    | 82.2    | 82.3        | 82.9    | 83.1        | 83.1        | 83.1    |
| GE 1000               | 72.3                        | 77.3    | 80.3    | 82.1    | 83.5    | 83.7        | 84.2    | 84.5        | 84.5        | 84.5    |
| GE 900                | 73.2                        | 77.5    | 80.9    | 83.0    | 84.4    | 84.5        | 85.3    | 85.5        | 85.5        | 85.5    |
| GE 800                | 73.5                        | 78.2    | 81.6    | 83.9    | 85.5    | 85.8        | 86.5    | 86.9        | 86.9        | 86.9    |
| GE 700                | 73.7                        | 78.9    | 82.4    | 84.9    | 87.0    | 87.3        | 88.3    | 88.6        | 88.6        | 88.6    |
| GE 600                | 74.0                        | 79.3    | 83.2    | 86.2    | 88.5    | 88.9        | 90.1    | 90.5        | 90.5        | 90.5    |
| GE 500                | 74.2                        | 79.7    | 84.0    | 87.4    | 90.1    | 90.5        | 92.1    | 92.6        | 92.6        | 92.6    |
| GE 400                | 74.2                        | 79.8    | 84.2    | 88.3    | 91.2    | 91.5        | 93.7    | 94.5        | 94.5        | 94.5    |
| GE 300                | 74.3                        | 79.9    | 84.4    | 88.5    | 92.0    | 92.5        | 94.5    | 95.0        | 95.3        | 95.3    |
| GE 200                | 74.3                        | 79.9    | 84.4    | 88.5    | 92.3    | 92.3        | 95.2    | 95.9        | 97.3        | 97.3    |
| GE 100                | 74.3                        | 79.9    | 84.4    | 88.6    | 92.3    | 92.9        | 95.4    | 97.1        | 97.5        | 97.5    |
| GE 000                | 74.3                        | 79.9    | 84.4    | 88.6    | 92.3    | 92.9        | 95.4    | 97.1        | 97.5        | 97.5    |

TOTAL NUMBER OF OBSERVATIONS 6529

4

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

FA 6A

PERIOD OF RECORD: JUN 74 - MAY 86  
MONTH: NOV HOURS: ALL

.....  
LITY IN STATUTE MILES

|    | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>) |
|----|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 1  | 49.2    | 49.2        | 49.2        | 49.2    | 49.2      | 49.2      | 49.2      | 49.2      | 49.2      | 49.3    |
| 2  | 55.5    | 55.5        | 55.5        | 55.5    | 55.5      | 55.5      | 55.5      | 55.5      | 55.5      | 55.5    |
| 3  | 55.7    | 55.7        | 55.8        | 55.8    | 55.8      | 55.8      | 55.8      | 55.8      | 55.8      | 55.8    |
| 4  | 55.7    | 55.8        | 55.8        | 55.8    | 55.8      | 55.8      | 55.8      | 55.8      | 55.8      | 55.8    |
| 5  | 55.1    | 55.1        | 55.2        | 55.2    | 55.2      | 55.2      | 55.2      | 55.2      | 55.2      | 55.2    |
| 6  | 57.3    | 57.3        | 57.3        | 57.3    | 57.3      | 57.3      | 57.3      | 57.3      | 57.3      | 57.4    |
| 7  | 59.5    | 59.5        | 59.5        | 59.5    | 59.5      | 59.5      | 59.5      | 59.5      | 59.5      | 59.5    |
| 8  | 59.3    | 59.3        | 59.4        | 59.4    | 59.4      | 59.4      | 59.4      | 59.4      | 59.4      | 59.4    |
| 9  | 62.5    | 62.9        | 62.9        | 62.9    | 62.9      | 62.9      | 62.9      | 62.9      | 62.9      | 63.0    |
| 10 | 63.4    | 63.4        | 63.4        | 63.4    | 63.4      | 63.4      | 63.5      | 63.5      | 63.5      | 63.5    |
| 11 | 63.5    | 63.5        | 63.5        | 63.5    | 63.5      | 63.5      | 63.5      | 63.5      | 63.5      | 63.7    |
| 12 | 64.9    | 64.9        | 64.9        | 64.9    | 64.9      | 64.9      | 64.9      | 65.0      | 65.0      | 65.0    |
| 13 | 65.4    | 65.5        | 65.5        | 65.5    | 65.5      | 65.5      | 65.5      | 65.5      | 65.5      | 65.5    |
| 14 | 67.5    | 67.7        | 67.7        | 67.7    | 67.7      | 67.7      | 67.7      | 67.7      | 67.7      | 67.8    |
| 15 | 69.2    | 69.3        | 69.3        | 69.3    | 69.3      | 69.3      | 69.3      | 69.4      | 69.4      | 69.4    |
| 16 | 71.9    | 72.0        | 72.1        | 72.1    | 72.1      | 72.1      | 72.1      | 72.1      | 72.1      | 72.2    |
| 17 | 73.9    | 74.1        | 74.1        | 74.2    | 74.2      | 74.2      | 74.2      | 74.2      | 74.2      | 74.2    |
| 18 | 77.2    | 77.4        | 77.4        | 77.5    | 77.5      | 77.5      | 77.5      | 77.5      | 77.5      | 77.5    |
| 19 | 78.0    | 78.2        | 78.2        | 78.2    | 78.2      | 78.3      | 78.3      | 78.3      | 78.3      | 78.3    |
| 20 | 80.5    | 80.5        | 80.7        | 80.8    | 80.8      | 80.8      | 80.8      | 80.8      | 80.8      | 80.8    |
| 21 | 82.9    | 83.1        | 83.1        | 83.2    | 83.2      | 83.2      | 83.2      | 83.2      | 83.2      | 83.3    |
| 22 | 84.2    | 84.5        | 84.5        | 84.5    | 84.5      | 84.5      | 84.5      | 84.5      | 84.5      | 84.7    |
| 23 | 85.3    | 85.5        | 85.5        | 85.5    | 85.5      | 85.5      | 85.5      | 85.7      | 85.7      | 85.7    |
| 24 | 85.5    | 85.9        | 86.0        | 87.0    | 87.0      | 87.1      | 87.1      | 87.1      | 87.1      | 87.1    |
| 25 | 88.3    | 88.6        | 88.5        | 88.7    | 88.7      | 88.8      | 88.8      | 88.8      | 88.8      | 88.8    |
| 26 | 90.1    | 90.5        | 90.5        | 90.7    | 90.7      | 90.7      | 90.7      | 90.8      | 90.5      | 90.8    |
| 27 | 92.1    | 92.5        | 92.5        | 92.9    | 92.9      | 92.9      | 93.0      | 93.0      | 93.0      | 93.0    |
| 28 | 93.7    | 94.5        | 94.5        | 95.0    | 95.0      | 95.1      | 95.1      | 95.1      | 95.1      | 95.1    |
| 29 | 94.5    | 95.0        | 95.3        | 95.3    | 95.5      | 95.9      | 97.0      | 97.0      | 97.0      | 97.1    |
| 30 | 95.2    | 95.9        | 97.3        | 98.0    | 98.3      | 98.4      | 98.5      | 98.8      | 98.9      | 98.9    |
| 31 | 95.4    | 97.1        | 97.5        | 98.4    | 98.8      | 98.9      | 99.3      | 99.5      | 99.7      | 99.8    |
| 32 | 95.4    | 97.1        | 97.5        | 98.4    | 98.8      | 98.9      | 99.4      | 99.5      | 99.7      | 100.0   |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE AT  
FROM JULY 1957 TO 1961

STATION NUMBER: 722270

STATION NAME: COBBINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |  |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|--|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |  |
| NO CEIL               | 50.0                        | 50.0    | 50.0    | 50.0    | 50.0    | 50.0        | 50.0    | 50.0        | 50.0        |  |
| GE 20000              | 50.0                        | 50.0    | 50.0    | 50.0    | 50.0    | 50.0        | 50.0    | 50.0        | 50.0        |  |
| GE 18000              | 50.0                        | 50.0    | 50.0    | 50.0    | 50.0    | 50.0        | 50.0    | 50.0        | 50.0        |  |
| GE 16000              | 50.0                        | 50.0    | 50.0    | 50.0    | 50.0    | 50.0        | 50.0    | 50.0        | 50.0        |  |
| GE 14000              | 50.0                        | 50.0    | 50.0    | 50.0    | 50.0    | 50.0        | 50.0    | 50.0        | 50.0        |  |
| GE 12000              | 50.0                        | 50.0    | 50.0    | 50.0    | 50.0    | 50.0        | 50.0    | 50.0        | 50.0        |  |
| GE 10000              | 50.0                        | 50.0    | 50.0    | 50.0    | 50.0    | 50.0        | 50.0    | 50.0        | 50.0        |  |
| GE 9000               | 50.0                        | 50.0    | 50.0    | 50.0    | 50.0    | 50.0        | 50.0    | 50.0        | 50.0        |  |
| GE 8000               | 50.0                        | 50.0    | 50.0    | 50.0    | 50.0    | 50.0        | 50.0    | 50.0        | 50.0        |  |
| GE 7000               | 50.0                        | 50.0    | 50.0    | 50.0    | 50.0    | 50.0        | 50.0    | 50.0        | 50.0        |  |
| GE 6000               | 50.0                        | 50.0    | 50.0    | 50.0    | 50.0    | 50.0        | 50.0    | 50.0        | 50.0        |  |
| GE 5000               | 50.0                        | 50.0    | 50.0    | 50.0    | 50.0    | 50.0        | 50.0    | 50.0        | 50.0        |  |
| GE 4500               | 50.0                        | 50.0    | 50.0    | 50.0    | 50.0    | 50.0        | 50.0    | 50.0        | 50.0        |  |
| GE 4000               | 50.0                        | 50.0    | 50.0    | 50.0    | 50.0    | 50.0        | 50.0    | 50.0        | 50.0        |  |
| GE 3500               | 50.0                        | 50.0    | 50.0    | 50.0    | 50.0    | 50.0        | 50.0    | 50.0        | 50.0        |  |
| GE 3000               | 50.0                        | 50.0    | 50.0    | 50.0    | 50.0    | 50.0        | 50.0    | 50.0        | 50.0        |  |
| GE 2500               | 83.3                        | 83.3    | 83.3    | 83.3    | 83.3    | 83.3        | 83.3    | 83.3        | 83.3        |  |
| GE 2000               | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |  |
| GE 1800               | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |  |
| GE 1600               | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |  |
| GE 1400               | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |  |
| GE 1200               | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |  |
| GE 1000               | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |  |
| GE 900                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |  |
| GE 800                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |  |
| GE 700                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |  |
| GE 600                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |  |
| GE 500                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |  |
| GE 400                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |  |
| GE 300                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |  |
| GE 200                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |  |
| GE 100                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |  |
| GE 000                | 100.0                       | 100.0   | 100.0   | 100.0   | 100.0   | 100.0       | 100.0   | 100.0       | 100.0       |  |

TOTAL NUMBER OF OBSERVATIONS 4

### FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUL 75 - MAY 80  
MONTH: DEC HQJRS: 00-02

-ITY IN STATUTE MILES

[illegible]



OPERATING LOCATION "AW"  
USAFHAG, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM BUOY OBSERVATIONS

STATION NUMBER: 72270

STATION NAME: JOHNS ISLAND  
LST TO UTC: + 5

DATE  
1967

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>8 | GE<br>9 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 43.2                        | 50.2    | 50.6    | 51.7    | 52.6    | 52.6        | 53.4    | 53.4        | 53.4        | 53.4    |
| GE 20000              | 52.2                        | 54.3    | 54.7    | 55.9    | 56.7    | 56.7        | 57.5    | 57.5        | 57.5        | 57.5    |
| GE 18000              | 52.2                        | 54.3    | 54.7    | 55.9    | 56.7    | 56.7        | 57.5    | 57.5        | 57.5        | 57.5    |
| GE 16000              | 52.2                        | 54.3    | 54.7    | 55.9    | 56.7    | 56.7        | 57.5    | 57.5        | 57.5        | 57.5    |
| GE 14000              | 52.2                        | 54.3    | 54.7    | 55.9    | 56.7    | 56.7        | 57.5    | 57.5        | 57.5        | 57.5    |
| GE 12000              | 52.2                        | 54.3    | 54.7    | 55.9    | 56.7    | 56.7        | 57.5    | 57.5        | 57.5        | 57.5    |
| GE 10000              | 53.0                        | 55.1    | 55.5    | 57.1    | 57.7    | 57.7        | 58.7    | 58.7        | 58.7        | 58.7    |
| GE 9000               | 53.0                        | 55.5    | 55.9    | 57.5    | 58.3    | 58.3        | 59.1    | 59.1        | 59.1        | 59.1    |
| GE 8000               | 54.3                        | 57.5    | 57.9    | 59.5    | 60.3    | 60.3        | 61.1    | 61.1        | 61.1        | 61.1    |
| GE 7000               | 54.3                        | 57.5    | 57.9    | 59.5    | 60.3    | 60.3        | 61.1    | 61.1        | 61.1        | 61.1    |
| GE 6000               | 55.9                        | 59.1    | 59.5    | 61.1    | 61.9    | 61.9        | 62.6    | 62.6        | 62.6        | 62.6    |
| GE 5000               | 58.7                        | 61.9    | 62.3    | 64.0    | 64.8    | 64.8        | 65.5    | 65.5        | 65.5        | 65.5    |
| GE 4500               | 58.7                        | 63.5    | 64.0    | 65.5    | 66.3    | 66.3        | 67.2    | 67.2        | 67.2        | 67.2    |
| GE 4000               | 61.9                        | 65.2    | 65.6    | 67.2    | 68.0    | 68.0        | 68.8    | 68.8        | 68.8        | 68.8    |
| GE 3500               | 62.6                        | 65.0    | 65.4    | 67.0    | 67.8    | 67.8        | 68.6    | 68.6        | 68.6        | 68.6    |
| GE 3000               | 64.4                        | 66.0    | 66.4    | 70.3    | 70.9    | 70.9        | 71.7    | 71.7        | 71.7        | 71.7    |
| GE 2500               | 65.2                        | 66.9    | 67.6    | 71.3    | 72.1    | 72.1        | 72.9    | 72.9        | 72.9        | 72.9    |
| GE 2000               | 67.5                        | 71.3    | 72.1    | 73.7    | 74.5    | 74.5        | 75.3    | 75.3        | 75.3        | 75.3    |
| GE 1800               | 67.0                        | 72.1    | 72.9    | 74.5    | 75.3    | 75.3        | 76.1    | 76.1        | 76.1        | 76.1    |
| GE 1600               | 70.9                        | 74.9    | 75.7    | 77.3    | 78.1    | 78.1        | 78.9    | 78.9        | 78.9        | 78.9    |
| GE 1400               | 71.3                        | 75.3    | 75.1    | 77.7    | 78.9    | 78.9        | 79.7    | 79.7        | 79.7        | 79.7    |
| GE 1200               | 72.5                        | 75.9    | 77.7    | 79.4    | 80.5    | 80.5        | 81.3    | 81.3        | 81.3        | 81.3    |
| GE 1000               | 72.5                        | 75.9    | 77.7    | 79.4    | 81.4    | 81.4        | 83.0    | 83.0        | 83.0        | 83.0    |
| GE 900                | 72.5                        | 75.9    | 77.7    | 80.2    | 81.3    | 81.3        | 83.4    | 83.4        | 83.4        | 83.4    |
| GE 800                | 72.5                        | 77.3    | 78.5    | 81.0    | 82.5    | 82.5        | 84.2    | 84.2        | 84.2        | 84.2    |
| GE 700                | 72.5                        | 77.3    | 78.3    | 83.0    | 84.5    | 84.5        | 85.6    | 85.6        | 85.6        | 85.6    |
| GE 600                | 72.5                        | 77.7    | 80.2    | 84.2    | 85.3    | 85.3        | 87.1    | 87.1        | 87.1        | 87.1    |
| GE 500                | 72.5                        | 78.1    | 80.5    | 85.4    | 87.0    | 87.0        | 89.3    | 89.3        | 89.3        | 89.3    |
| GE 400                | 72.5                        | 78.1    | 80.5    | 85.4    | 87.9    | 87.9        | 91.5    | 91.5        | 91.5        | 91.5    |
| GE 300                | 72.5                        | 78.5    | 81.0    | 86.2    | 89.1    | 89.1        | 92.7    | 92.7        | 92.7        | 92.7    |
| GE 200                | 72.5                        | 78.5    | 81.0    | 86.2    | 89.1    | 89.1        | 92.7    | 92.7        | 92.7        | 92.7    |
| GE 100                | 72.5                        | 78.5    | 81.0    | 86.2    | 89.1    | 89.1        | 92.7    | 92.7        | 92.7        | 92.7    |

TOTAL NUMBER OF OBSERVATIONS 247

PERIOD: JUN 73 - MAY 74  
MONTH: DEC 1973: 13-75

1 - 2 - 27

OPERATING LOCATION "A"  
USAFSTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: STEVENS AFB GA  
LST TO UTC: + 5

4-1  
401

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | 5-<br>7                     | 5-<br>9 | 5-<br>5 | 5-<br>4 | 5-<br>3 | 5-<br>2 1/2 | 5-<br>2 | 5-<br>1 1/2 | 5-<br>1 1/4 | 5-<br>1 |
| NO CEIL               | 42.7                        | 44.9    | 45.1    | 47.0    | 47.7    | 47.7        | 47.3    | 43.0        | 43.1        | 41.1    |
| 50 2000               | 47.4                        | 49.4    | 50.3    | 51.7    | 52.5    | 52.5        | 52.5    | 52.3        | 52.3        | 52.1    |
| 50 1500               | 47.4                        | 49.4    | 50.3    | 51.7    | 52.5    | 52.5        | 52.5    | 52.3        | 52.3        | 52.1    |
| 50 1400               | 47.4                        | 49.4    | 50.3    | 51.7    | 52.5    | 52.5        | 52.5    | 52.3        | 52.3        | 52.1    |
| 50 1200               | 47.5                        | 49.7    | 51.0    | 51.7    | 52.3    | 52.3        | 52.9    | 53.0        | 53.0        | 53.1    |
| 50 1000               | 49.5                        | 51.7    | 53.3    | 54.0    | 55.0    | 55.0        | 55.1    | 55.2        | 55.2        | 55.1    |
| 50 900                | 49.5                        | 51.7    | 53.3    | 54.2    | 55.2    | 55.2        | 55.4    | 55.5        | 55.5        | 55.5    |
| 50 800                | 51.3                        | 53.5    | 55.5    | 55.5    | 57.4    | 57.4        | 57.5    | 57.7        | 57.7        | 57.7    |
| 50 700                | 52.0                        | 54.4    | 56.2    | 57.2    | 58.3    | 58.3        | 58.4    | 58.5        | 58.5        | 58.5    |
| 50 600                | 52.5                        | 54.9    | 56.7    | 57.7    | 58.9    | 58.9        | 59.0    | 59.2        | 59.2        | 59.1    |
| 50 500                | 55.1                        | 57.4    | 59.4    | 60.3    | 61.7    | 61.7        | 61.8    | 62.2        | 62.2        | 62.1    |
| 50 450                | 57.4                        | 59.2    | 60.1    | 61.1    | 62.5    | 62.5        | 62.5    | 62.7        | 62.7        | 62.7    |
| 50 400                | 58.1                        | 59.5    | 62.5    | 63.5    | 64.7    | 64.7        | 64.8    | 65.2        | 65.2        | 65.1    |
| 50 350                | 59.4                        | 61.9    | 63.5    | 64.9    | 66.3    | 66.3        | 66.4    | 66.5        | 66.5        | 66.5    |
| 50 300                | 60.9                        | 63.5    | 65.5    | 65.7    | 68.4    | 68.4        | 68.5    | 68.6        | 68.6        | 68.6    |
| 50 250                | 61.9                        | 64.7    | 67.0    | 68.3    | 70.0    | 70.0        | 70.1    | 70.2        | 70.2        | 70.1    |
| 50 200                | 63.5                        | 67.2    | 67.2    | 71.2    | 73.2    | 73.2        | 73.4    | 73.5        | 73.5        | 73.5    |
| 50 150                | 64.2                        | 67.5    | 70.2    | 71.5    | 73.5    | 73.5        | 73.7    | 73.7        | 73.7        | 73.7    |
| 50 100                | 66.3                        | 69.7    | 72.5    | 73.7    | 75.0    | 75.0        | 75.3    | 75.4        | 75.4        | 75.4    |
| 50 50                 | 67.7                        | 71.3    | 74.2    | 75.5    | 77.9    | 77.9        | 78.1    | 78.2        | 78.2        | 78.1    |
| 50 1000               | 63.2                        | 72.7    | 75.5    | 77.2    | 79.5    | 79.5        | 79.7    | 79.8        | 79.8        | 79.8    |
| 50 900                | 70.1                        | 74.2    | 77.2    | 78.3    | 81.3    | 81.4        | 81.9    | 82.0        | 82.0        | 82.0    |
| 50 800                | 70.5                        | 74.8    | 77.9    | 79.7    | 82.5    | 82.7        | 83.1    | 83.3        | 83.3        | 83.3    |
| 50 700                | 70.5                        | 75.0    | 78.2    | 80.2    | 83.0    | 83.1        | 83.9    | 84.0        | 84.0        | 84.0    |
| 50 600                | 70.3                        | 75.5    | 79.1    | 81.3    | 84.1    | 84.5        | 85.4    | 85.5        | 85.5        | 85.5    |
| 50 500                | 70.3                        | 75.0    | 79.6    | 81.9    | 85.1    | 85.9        | 86.3    | 87.0        | 87.0        | 87.0    |
| 50 400                | 70.3                        | 75.1    | 80.0    | 82.4    | 85.2    | 87.0        | 87.4    | 88.7        | 88.7        | 88.7    |
| 50 300                | 70.3                        | 75.3    | 80.1    | 82.7    | 87.2    | 87.9        | 89.5    | 90.9        | 91.0        | 91.0    |
| 50 200                | 70.3                        | 75.4    | 80.3    | 83.1    | 88.3    | 89.1        | 91.3    | 93.5        | 93.5        | 93.5    |
| 50 100                | 70.3                        | 75.4    | 80.3    | 83.1    | 88.3    | 89.2        | 91.4    | 93.7        | 94.0        | 94.0    |

TOTAL NUMBER OF OBSERVATIONS 513

# 1. FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AFW GA

PERIOD OF RECORD: JUN 74 - MAY 85

MONTH: DEC HOURS: 06-08

| .....                       |         |             |             |         |           |           |           |           |           |         |
|-----------------------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| VISIBILITY IN STATUTE MILES |         |             |             |         |           |           |           |           |           |         |
| CEILING                     | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/4 | GE<br>1/4 | GE<br>0 |
| .....                       |         |             |             |         |           |           |           |           |           |         |
| 0.7                         | 47.3    | 43.0        | 43.0        | 43.1    | 43.1      | 43.3      | 43.5      | 43.5      | 43.5      | 43.5    |
| 1.0                         | 52.5    | 52.3        | 52.3        | 52.9    | 52.9      | 53.1      | 53.3      | 53.3      | 53.3      | 53.3    |
| 1.1                         | 52.5    | 52.3        | 52.3        | 52.9    | 52.9      | 53.1      | 53.3      | 53.3      | 53.3      | 53.3    |
| 1.2                         | 52.5    | 52.3        | 52.3        | 52.9    | 52.9      | 53.1      | 53.3      | 53.3      | 53.3      | 53.3    |
| 1.3                         | 52.5    | 52.3        | 52.3        | 52.9    | 52.9      | 53.1      | 53.3      | 53.3      | 53.3      | 53.3    |
| 1.4                         | 52.9    | 53.0        | 53.0        | 53.1    | 53.1      | 53.4      | 53.5      | 53.5      | 53.5      | 53.5    |
| 1.5                         | 55.1    | 55.2        | 55.2        | 55.4    | 55.4      | 55.5      | 55.7      | 55.7      | 55.7      | 55.7    |
| 1.6                         | 55.4    | 55.5        | 55.5        | 55.5    | 55.5      | 55.8      | 55.9      | 55.9      | 55.9      | 55.9    |
| 1.7                         | 57.5    | 57.7        | 57.7        | 57.8    | 57.8      | 58.1      | 58.2      | 58.2      | 58.2      | 58.2    |
| 1.8                         | 58.4    | 58.5        | 58.5        | 58.7    | 58.7      | 58.9      | 59.0      | 59.0      | 59.0      | 59.0    |
| 1.9                         | 59.2    | 59.2        | 59.2        | 59.3    | 59.3      | 59.5      | 59.7      | 59.7      | 59.7      | 59.7    |
| 2.0                         | 61.3    | 62.0        | 62.0        | 62.1    | 62.1      | 62.4      | 62.5      | 62.5      | 62.5      | 62.5    |
| 2.1                         | 62.5    | 62.7        | 62.7        | 62.9    | 62.9      | 63.1      | 63.2      | 63.2      | 63.2      | 63.2    |
| 2.2                         | 65.1    | 65.2        | 65.2        | 65.4    | 65.4      | 65.7      | 65.8      | 65.8      | 65.8      | 65.8    |
| 2.3                         | 65.4    | 65.5        | 65.5        | 65.8    | 65.9      | 67.0      | 67.2      | 67.2      | 67.2      | 67.2    |
| 2.4                         | 68.3    | 68.6        | 68.6        | 68.9    | 68.9      | 69.1      | 69.2      | 69.2      | 69.2      | 69.2    |
| 2.5                         | 70.1    | 70.2        | 70.2        | 70.5    | 70.5      | 70.7      | 70.8      | 70.8      | 70.8      | 70.8    |
| 2.6                         | 73.4    | 73.5        | 73.5        | 73.8    | 73.8      | 74.0      | 74.2      | 74.2      | 74.2      | 74.2    |
| 2.7                         | 73.3    | 73.9        | 73.9        | 74.2    | 74.2      | 74.4      | 74.5      | 74.5      | 74.5      | 74.5    |
| 2.8                         | 75.3    | 75.4        | 75.4        | 75.5    | 75.5      | 75.7      | 77.0      | 77.0      | 77.0      | 77.0    |
| 2.9                         | 75.1    | 75.2        | 75.2        | 75.5    | 75.5      | 75.7      | 75.8      | 75.8      | 75.8      | 75.8    |
| 3.0                         | 79.7    | 79.8        | 79.8        | 80.1    | 80.1      | 80.3      | 80.4      | 80.4      | 80.4      | 80.4    |
| 3.1                         | 81.9    | 82.0        | 82.0        | 82.3    | 82.3      | 82.5      | 82.7      | 82.7      | 82.7      | 82.7    |
| 3.2                         | 83.1    | 83.3        | 83.3        | 83.5    | 83.5      | 83.8      | 83.9      | 83.9      | 84.0      | 84.0    |
| 3.3                         | 83.9    | 84.0        | 84.0        | 84.4    | 84.4      | 84.6      | 84.7      | 84.7      | 84.9      | 84.9    |
| 3.4                         | 85.4    | 85.5        | 85.5        | 85.1    | 85.1      | 85.3      | 85.5      | 85.5      | 85.5      | 85.5    |
| 3.5                         | 85.3    | 87.0        | 87.0        | 87.7    | 87.7      | 87.9      | 88.2      | 88.2      | 88.3      | 88.3    |
| 3.6                         | 87.4    | 88.7        | 88.8        | 89.5    | 89.7      | 90.0      | 90.4      | 90.4      | 90.5      | 90.5    |
| 3.7                         | 89.5    | 90.9        | 91.0        | 92.1    | 92.5      | 92.9      | 93.4      | 93.4      | 93.5      | 93.5    |
| 3.8                         | 91.3    | 93.5        | 93.5        | 95.2    | 95.9      | 96.3      | 96.8      | 96.9      | 97.5      | 97.5    |
| 3.9                         | 91.4    | 93.7        | 94.0        | 95.5    | 95.4      | 95.3      | 97.7      | 98.2      | 98.0      | 99.6    |
| 4.0                         | 91.4    | 93.7        | 94.0        | 95.5    | 95.4      | 95.8      | 97.7      | 98.2      | 98.9      | 100.0   |
| .....                       |         |             |             |         |           |           |           |           |           |         |

OPERATING LOCATION "A"  
USAFSTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE IN  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DODDINS AFB GA

2.5

LST TO UTC: + 5

434

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>5 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 41.2                        | 43.5    | 44.4    | 45.4    | 45.3    | 45.3        | 45.3    | 45.3        | 45.3        | 45.3    |
| GE 20000              | 46.7                        | 49.3    | 50.3    | 51.5    | 51.7    | 51.9        | 51.9    | 51.9        | 51.9        | 51.9    |
| GE 18000              | 45.9                        | 49.4    | 50.4    | 51.7    | 52.0    | 52.0        | 52.0    | 52.0        | 52.0        | 52.0    |
| GE 16000              | 46.7                        | 49.4    | 50.4    | 51.7    | 52.0    | 52.0        | 52.0    | 52.0        | 52.0        | 52.0    |
| GE 14000              | 47.0                        | 49.5    | 50.7    | 51.9    | 52.3    | 52.3        | 52.3    | 52.3        | 52.3        | 52.3    |
| GE 12000              | 48.0                        | 50.6    | 51.7    | 52.9    | 53.3    | 53.3        | 53.3    | 53.3        | 53.3        | 53.3    |
| GE 10000              | 50.4                        | 53.0    | 54.1    | 55.4    | 55.7    | 55.7        | 55.7    | 55.7        | 55.7        | 55.7    |
| GE 9000               | 50.6                        | 53.1    | 54.2    | 55.5    | 55.8    | 55.8        | 55.8    | 55.8        | 55.8        | 55.8    |
| GE 8000               | 52.3                        | 55.1    | 56.2    | 57.4    | 57.6    | 57.6        | 57.6    | 57.6        | 57.6        | 57.6    |
| GE 7000               | 53.3                        | 56.7    | 57.3    | 59.0    | 59.4    | 59.4        | 59.4    | 59.4        | 59.4        | 59.4    |
| GE 6000               | 54.5                        | 57.4    | 58.5    | 59.4    | 60.1    | 60.3        | 60.6    | 60.6        | 60.6        | 60.6    |
| GE 5000               | 56.4                        | 59.9    | 61.0    | 62.4    | 62.7    | 62.9        | 63.2    | 63.2        | 63.2        | 63.2    |
| GE 4500               | 57.3                        | 60.8    | 61.9    | 63.2    | 63.6    | 63.7        | 64.1    | 64.1        | 64.1        | 64.1    |
| GE 4000               | 59.3                        | 62.7    | 64.0    | 65.3    | 65.3    | 65.7        | 66.3    | 66.3        | 66.3        | 66.3    |
| GE 3500               | 60.5                        | 64.0    | 65.2    | 66.5    | 67.0    | 67.2        | 67.5    | 67.5        | 67.5        | 67.5    |
| GE 3000               | 61.7                        | 65.3    | 66.7    | 68.1    | 68.5    | 68.8        | 69.1    | 69.1        | 69.1        | 69.1    |
| GE 2500               | 63.7                        | 67.3    | 69.2    | 70.7    | 71.2    | 71.3        | 71.7    | 71.7        | 71.7        | 71.7    |
| GE 2000               | 65.4                        | 69.4    | 71.3    | 72.9    | 73.6    | 73.8        | 74.2    | 74.2        | 74.2        | 74.2    |
| GE 1800               | 66.1                        | 69.6    | 71.6    | 73.2    | 73.8    | 74.0        | 74.4    | 74.4        | 74.4        | 74.4    |
| GE 1500               | 67.9                        | 71.6    | 73.6    | 75.2    | 75.9    | 76.4        | 76.8    | 76.8        | 76.8        | 76.8    |
| GE 1200               | 69.5                        | 73.3    | 75.4    | 77.0    | 77.7    | 78.2        | 78.6    | 78.6        | 78.6        | 78.6    |
| GE 1000               | 70.1                        | 73.9    | 76.0    | 78.1    | 79.0    | 79.5        | 79.8    | 79.8        | 79.8        | 79.8    |
| GE 900                | 70.2                        | 74.5    | 76.6    | 78.7    | 79.6    | 80.2        | 80.7    | 80.7        | 80.7        | 80.7    |
| GE 800                | 70.5                        | 75.5    | 77.7    | 80.0    | 80.9    | 81.7        | 82.2    | 82.2        | 82.2        | 82.2    |
| GE 700                | 70.6                        | 76.1    | 78.3    | 81.4    | 82.5    | 83.3        | 84.4    | 84.4        | 84.4        | 84.4    |
| GE 600                | 70.8                        | 76.5    | 79.3    | 81.9    | 83.3    | 84.6        | 85.2    | 85.5        | 85.5        | 85.5    |
| GE 500                | 70.8                        | 76.6    | 79.3    | 82.3    | 85.0    | 86.5        | 88.2    | 88.6        | 88.7        | 88.7    |
| GE 400                | 70.8                        | 76.6    | 80.0    | 83.1    | 85.9    | 87.5        | 89.9    | 90.9        | 91.0        | 91.0    |
| GE 300                | 70.8                        | 76.6    | 80.0    | 83.6    | 86.7    | 88.3        | 90.9    | 92.3        | 92.5        | 92.5    |
| GE 200                | 70.8                        | 76.6    | 80.0    | 83.6    | 86.7    | 88.3        | 91.0    | 93.0        | 93.4        | 93.4    |
| GE 100                | 70.8                        | 76.6    | 80.0    | 83.6    | 86.7    | 88.3        | 91.0    | 93.0        | 93.4        | 93.4    |
| GE 000                | 70.8                        | 76.6    | 80.0    | 83.6    | 86.7    | 88.3        | 91.0    | 93.0        | 93.4        | 93.4    |

TOTAL NUMBER OF OBSERVATIONS 313

4

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

443 GA PERIOD OF RECORD: JUN 76 - MAY 68  
MONTH: DEC HOURS: 09-11

| .....                       |         |             |             |         |           |           |           |           |           |         |
|-----------------------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| VISIBILITY IN STATUTE MILES |         |             |             |         |           |           |           |           |           |         |
| 0                           | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 | GE<br>3/4 | GE<br>5/8 | GE<br>1/2 | GE<br>3/8 | GE<br>1/4 | GE<br>0 |
| .....                       |         |             |             |         |           |           |           |           |           |         |
| 0                           | 45.3    | 45.8        | 45.8        | 45.3    | 45.9      | 45.0      | 45.0      | 45.0      | 45.0      | 46.1    |
| 1                           | 51.9    | 51.9        | 51.9        | 51.9    | 52.0      | 52.2      | 52.2      | 52.2      | 52.2      | 52.3    |
| 2                           | 52.0    | 52.0        | 52.0        | 52.0    | 52.2      | 52.3      | 52.3      | 52.3      | 52.3      | 52.4    |
| 3                           | 52.0    | 52.0        | 52.0        | 52.0    | 52.2      | 52.3      | 52.3      | 52.3      | 52.3      | 52.4    |
| 4                           | 52.3    | 52.3        | 52.3        | 52.3    | 52.4      | 52.5      | 52.5      | 52.5      | 52.5      | 52.6    |
| 5                           | 53.3    | 53.3        | 53.3        | 53.3    | 53.4      | 53.5      | 53.5      | 53.5      | 53.5      | 53.6    |
| 6                           | 55.1    | 55.1        | 55.1        | 55.1    | 56.2      | 55.3      | 55.3      | 55.3      | 55.3      | 56.5    |
| 7                           | 55.2    | 55.2        | 55.2        | 55.2    | 56.3      | 56.5      | 56.5      | 56.5      | 56.5      | 56.6    |
| 8                           | 55.2    | 55.2        | 55.2        | 55.2    | 56.3      | 56.4      | 56.4      | 56.4      | 56.4      | 56.5    |
| 9                           | 59.3    | 59.3        | 59.3        | 59.3    | 59.9      | 60.0      | 60.0      | 60.0      | 60.0      | 60.1    |
| 10                          | 60.5    | 60.5        | 60.5        | 60.5    | 60.5      | 60.9      | 60.9      | 60.9      | 60.9      | 61.0    |
| 11                          | 63.2    | 63.2        | 63.2        | 63.2    | 63.3      | 63.5      | 63.5      | 63.5      | 63.5      | 63.6    |
| 12                          | 64.1    | 64.1        | 64.1        | 64.1    | 64.2      | 64.3      | 64.3      | 64.3      | 64.3      | 64.5    |
| 13                          | 65.3    | 65.3        | 65.3        | 65.3    | 66.4      | 66.5      | 66.5      | 66.5      | 66.5      | 66.7    |
| 14                          | 67.5    | 67.5        | 67.5        | 67.5    | 67.7      | 67.8      | 67.8      | 67.8      | 67.8      | 67.9    |
| 15                          | 69.1    | 69.1        | 69.1        | 69.1    | 69.2      | 69.4      | 69.4      | 69.4      | 69.4      | 69.5    |
| 16                          | 71.7    | 71.7        | 71.7        | 71.7    | 71.8      | 72.0      | 72.0      | 72.0      | 72.0      | 72.1    |
| 17                          | 74.2    | 74.2        | 74.2        | 74.2    | 74.3      | 74.4      | 74.4      | 74.4      | 74.4      | 74.5    |
| 18                          | 74.4    | 74.4        | 74.4        | 74.4    | 74.5      | 74.7      | 74.7      | 74.7      | 74.7      | 74.8    |
| 19                          | 76.3    | 76.3        | 76.3        | 76.3    | 76.9      | 77.0      | 77.0      | 77.0      | 77.0      | 77.1    |
| 20                          | 78.6    | 78.6        | 78.6        | 78.6    | 78.7      | 78.8      | 78.8      | 78.8      | 78.8      | 79.0    |
| 21                          | 79.5    | 79.5        | 79.5        | 79.5    | 80.0      | 80.1      | 80.1      | 80.1      | 80.1      | 80.2    |
| 22                          | 80.7    | 80.7        | 80.7        | 80.7    | 80.8      | 80.9      | 80.9      | 80.9      | 80.9      | 81.1    |
| 23                          | 82.2    | 82.2        | 82.2        | 82.2    | 82.3      | 82.4      | 82.4      | 82.4      | 82.4      | 82.5    |
| 24                          | 84.4    | 84.4        | 84.4        | 84.4    | 84.5      | 84.6      | 84.6      | 84.6      | 84.6      | 84.7    |
| 25                          | 85.2    | 85.5        | 85.5        | 85.5    | 85.6      | 85.7      | 85.7      | 85.7      | 85.7      | 85.9    |
| 26                          | 88.2    | 88.6        | 88.7        | 89.1    | 89.2      | 89.3      | 89.3      | 89.3      | 89.3      | 89.4    |
| 27                          | 90.9    | 90.9        | 91.0        | 91.5    | 91.8      | 91.9      | 91.9      | 91.9      | 91.9      | 92.0    |
| 28                          | 92.9    | 92.3        | 92.5        | 93.7    | 94.8      | 95.0      | 95.1      | 95.1      | 95.2      | 95.3    |
| 29                          | 91.0    | 93.0        | 93.4        | 95.0    | 96.6      | 96.8      | 97.2      | 97.5      | 98.0      | 98.6    |
| 30                          | 91.0    | 93.0        | 93.4        | 95.0    | 96.6      | 96.9      | 97.4      | 97.9      | 98.5      | 99.6    |
| 31                          | 91.0    | 93.0        | 93.4        | 95.0    | 96.6      | 96.9      | 97.4      | 97.9      | 98.5      | 100.0   |
| .....                       |         |             |             |         |           |           |           |           |           |         |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>5 | GE<br>3 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 46.4                        | 47.0    | 47.4    | 47.6    | 47.6    | 47.6        | 47.6    | 47.6        | 47.6        |
| GE 20000              | 55.0                        | 55.2    | 55.5    | 55.7    | 55.7    | 55.7        | 55.7    | 55.7        | 55.7        |
| GE 18000              | 55.2                        | 55.1    | 55.7    | 55.9    | 55.9    | 55.9        | 55.9    | 55.9        | 55.9        |
| GE 16000              | 55.2                        | 56.1    | 56.7    | 55.9    | 55.9    | 55.9        | 55.9    | 55.9        | 55.9        |
| GE 14000              | 55.6                        | 56.5    | 57.1    | 57.3    | 57.3    | 57.3        | 57.3    | 57.3        | 57.3        |
| GE 12000              | 56.5                        | 57.3    | 57.9    | 58.2    | 58.2    | 58.2        | 58.2    | 58.2        | 58.2        |
| GE 10000              | 58.0                        | 59.9    | 60.5    | 60.8    | 60.8    | 60.8        | 60.8    | 60.8        | 60.8        |
| GE 9000               | 58.8                        | 59.9    | 60.5    | 60.8    | 60.8    | 60.8        | 60.8    | 60.8        | 60.8        |
| GE 8000               | 60.6                        | 61.7    | 62.4    | 62.6    | 62.6    | 62.7        | 62.7    | 62.7        | 62.7        |
| GE 7000               | 62.2                        | 63.3    | 64.0    | 64.2    | 64.2    | 64.3        | 64.3    | 64.3        | 64.3        |
| GE 6000               | 63.1                        | 64.2    | 64.8    | 65.1    | 65.1    | 65.2        | 65.2    | 65.2        | 65.2        |
| GE 5000               | 64.3                        | 65.4    | 66.1    | 66.3    | 66.5    | 66.7        | 66.7    | 66.7        | 66.7        |
| GE 4500               | 65.4                        | 66.5    | 67.2    | 67.4    | 67.7    | 67.8        | 67.8    | 67.8        | 67.8        |
| GE 4000               | 67.3                        | 68.4    | 69.0    | 69.2    | 69.5    | 69.5        | 69.6    | 69.6        | 69.6        |
| GE 3500               | 69.6                        | 70.7    | 71.3    | 71.6    | 71.8    | 72.0        | 72.0    | 72.0        | 72.0        |
| GE 3000               | 70.3                        | 72.1    | 72.5    | 73.1    | 73.4    | 73.6        | 73.6    | 73.6        | 73.6        |
| GE 2500               | 74.4                        | 76.0    | 76.3    | 77.0    | 77.4    | 77.5        | 77.5    | 77.5        | 77.5        |
| GE 2000               | 75.0                        | 77.0    | 78.7    | 79.1    | 79.5    | 79.7        | 79.8    | 79.8        | 79.8        |
| GE 1800               | 75.3                        | 78.5    | 79.3    | 79.7    | 80.2    | 80.4        | 80.5    | 80.5        | 80.5        |
| GE 1600               | 79.0                        | 81.3    | 82.2    | 82.5    | 83.0    | 83.4        | 83.5    | 83.5        | 83.5        |
| GE 1400               | 80.2                        | 82.8    | 83.9    | 84.3    | 84.9    | 85.4        | 85.5    | 85.5        | 85.5        |
| GE 1200               | 80.7                        | 83.3    | 84.5    | 85.1    | 85.7    | 86.2        | 86.3    | 86.3        | 86.3        |
| GE 1000               | 81.4                        | 84.1    | 85.5    | 86.3    | 87.1    | 87.3        | 87.9    | 87.9        | 87.9        |
| GE 900                | 81.5                        | 84.4    | 86.1    | 87.1    | 88.1    | 89.1        | 89.2    | 89.3        | 89.4        |
| GE 800                | 81.8                        | 84.7    | 86.7    | 88.1    | 89.1    | 90.4        | 90.5    | 90.7        | 90.8        |
| GE 700                | 81.3                        | 84.7    | 86.7    | 88.2    | 89.7    | 92.1        | 92.3    | 92.4        | 92.5        |
| GE 600                | 81.9                        | 84.9    | 87.0    | 89.2    | 91.1    | 92.9        | 93.1    | 93.2        | 93.4        |
| GE 500                | 82.2                        | 85.2    | 87.5    | 89.3    | 92.0    | 93.3        | 94.5    | 95.4        | 95.7        |
| GE 400                | 82.3                        | 85.4    | 87.7    | 90.2    | 92.7    | 94.5        | 95.7    | 96.4        | 96.7        |
| GE 300                | 82.3                        | 85.4    | 87.7    | 90.2    | 92.7    | 94.5        | 95.1    | 96.9        | 97.4        |
| GE 200                | 82.3                        | 85.4    | 87.7    | 90.2    | 92.7    | 94.5        | 95.1    | 96.9        | 97.4        |
| GE 100                | 82.3                        | 85.4    | 87.7    | 90.2    | 92.7    | 94.5        | 95.1    | 96.9        | 97.4        |
| GE 000                | 82.3                        | 85.4    | 87.7    | 90.2    | 92.7    | 94.5        | 95.1    | 96.9        | 97.4        |

TOTAL NUMBER OF OBSERVATIONS 813

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AFB SA

PERIOD OF RECORD: JUN 73 - MAY 84

MONTH: DEC HOURS: 12-14

| .....                       |      |       |       |      |      |      |      |      |      |       |
|-----------------------------|------|-------|-------|------|------|------|------|------|------|-------|
| VISIBILITY IN STATUTE MILES |      |       |       |      |      |      |      |      |      |       |
| FEET                        | GE   | GE    | GE    | GE   | GE   | GE   | GE   | GE   | GE   | GE    |
| 2                           | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/8  | 1/4  | 0     |
| .....                       |      |       |       |      |      |      |      |      |      |       |
| 5                           | 47.6 | 47.6  | 47.6  | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6  |
| 7                           | 55.7 | 55.7  | 55.7  | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7  |
| 9                           | 55.7 | 55.9  | 55.9  | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9  |
| 9                           | 55.9 | 55.9  | 55.9  | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9  |
| 3                           | 57.3 | 57.3  | 57.3  | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3  |
| 2                           | 58.2 | 58.2  | 58.2  | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2  |
| 6                           | 60.8 | 60.8  | 60.8  | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8  |
| 6                           | 60.8 | 60.8  | 60.8  | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8  |
| 7                           | 62.7 | 62.7  | 62.7  | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7  |
| 3                           | 64.3 | 64.3  | 64.3  | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3  |
| 2                           | 65.2 | 65.2  | 65.2  | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2  |
| 7                           | 65.7 | 65.7  | 65.7  | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7  |
| 3                           | 67.3 | 67.3  | 67.3  | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3  |
| 6                           | 69.6 | 69.6  | 69.6  | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6  |
| 0                           | 72.0 | 72.0  | 72.0  | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0  |
| 6                           | 73.6 | 73.6  | 73.6  | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6  |
| 6                           | 77.5 | 77.5  | 77.5  | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5  |
| 7                           | 79.8 | 79.8  | 79.8  | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8  |
| 4                           | 80.6 | 80.6  | 80.6  | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6  |
| 3                           | 83.5 | 83.5  | 83.5  | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5  |
| 4                           | 85.5 | 85.5  | 85.5  | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5  |
| 2                           | 86.3 | 86.3  | 86.3  | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3  |
| 8                           | 87.9 | 87.9  | 87.9  | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9  |
| 1                           | 89.4 | 89.3  | 89.4  | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4  |
| 4                           | 90.8 | 90.7  | 90.8  | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8  |
| 1                           | 92.3 | 92.4  | 92.5  | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5  |
| 0                           | 93.1 | 93.2  | 93.4  | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4  |
| 3                           | 94.5 | 95.4  | 95.7  | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9  |
| 0                           | 96.7 | 96.4  | 96.7  | 97.0 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4  |
| 6                           | 96.1 | 96.9  | 97.4  | 98.2 | 98.3 | 98.3 | 99.3 | 99.5 | 99.9 | 99.9  |
| 5                           | 96.1 | 96.9  | 97.4  | 98.2 | 98.3 | 98.3 | 99.3 | 99.5 | 99.9 | 100.0 |
| 0                           | 96.1 | 96.9  | 97.4  | 98.2 | 98.3 | 98.3 | 99.3 | 99.5 | 99.9 | 100.0 |
| .....                       |      |       |       |      |      |      |      |      |      |       |



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

PERIOD  
MONTH

CEILING

VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| NO CEIL    | 48.3    | 49.2    | 49.2    | 49.4    | 49.5    | 49.5        | 49.5    | 49.5        | 49.5        | 49.5    |
| GE 20000   | 58.1    | 59.0    | 59.3    | 59.5    | 59.7    | 59.7        | 59.7    | 59.7        | 59.7        | 59.7    |
| GE 18000   | 58.3    | 59.3    | 59.0    | 59.3    | 59.4    | 59.4        | 59.4    | 59.4        | 59.4        | 59.4    |
| GE 16000   | 58.3    | 59.8    | 59.0    | 59.3    | 59.4    | 59.4        | 59.4    | 59.4        | 59.4        | 59.4    |
| GE 14000   | 58.9    | 59.7    | 60.1    | 60.4    | 60.5    | 60.5        | 60.5    | 60.5        | 60.5        | 60.5    |
| GE 12000   | 59.5    | 60.5    | 60.9    | 61.1    | 61.3    | 61.3        | 61.3    | 61.3        | 61.3        | 61.3    |
| GE 10000   | 62.1    | 63.2    | 63.6    | 63.8    | 64.0    | 64.0        | 64.0    | 64.0        | 64.0        | 64.0    |
| GE 9000    | 62.5    | 63.6    | 64.0    | 64.2    | 64.3    | 64.3        | 64.3    | 64.3        | 64.3        | 64.3    |
| GE 8000    | 65.2    | 66.3    | 66.7    | 66.9    | 67.0    | 67.0        | 67.0    | 67.0        | 67.0        | 67.0    |
| GE 7000    | 67.2    | 68.3    | 68.6    | 68.9    | 69.0    | 69.0        | 69.0    | 69.0        | 69.0        | 69.0    |
| GE 6000    | 67.4    | 68.5    | 68.9    | 69.1    | 69.2    | 69.2        | 69.2    | 69.2        | 69.2        | 69.2    |
| GE 5000    | 69.4    | 70.5    | 70.6    | 71.2    | 71.3    | 71.3        | 71.3    | 71.3        | 71.3        | 71.3    |
| GE 4500    | 70.1    | 71.2    | 71.5    | 72.0    | 72.1    | 72.1        | 72.1    | 72.1        | 72.1        | 72.1    |
| GE 4000    | 72.3    | 73.9    | 74.3    | 74.7    | 74.8    | 74.8        | 74.8    | 74.8        | 74.8        | 74.8    |
| GE 3500    | 74.4    | 75.5    | 75.9    | 76.3    | 76.4    | 76.4        | 76.4    | 76.4        | 76.4        | 76.4    |
| GE 3000    | 77.2    | 78.5    | 79.3    | 79.2    | 79.3    | 79.3        | 79.3    | 79.3        | 79.3        | 79.3    |
| GE 2500    | 80.1    | 81.3    | 81.7    | 82.0    | 82.2    | 82.2        | 82.2    | 82.2        | 82.2        | 82.2    |
| GE 2000    | 83.1    | 84.5    | 85.0    | 85.4    | 85.6    | 85.6        | 85.6    | 85.6        | 85.6        | 85.6    |
| GE 1800    | 83.3    | 84.7    | 85.1    | 85.5    | 85.7    | 85.7        | 85.7    | 85.7        | 85.7        | 85.7    |
| GE 1500    | 83.9    | 85.4    | 85.7    | 86.2    | 86.5    | 86.6        | 86.6    | 86.6        | 86.6        | 86.6    |
| GE 1200    | 84.1    | 85.6    | 86.1    | 86.5    | 86.8    | 87.0        | 87.3    | 87.5        | 87.5        | 87.5    |
| GE 1000    | 84.9    | 86.5    | 87.2    | 87.3    | 88.1    | 88.3        | 88.7    | 88.9        | 88.9        | 88.9    |
| GE 900     | 85.1    | 87.1    | 87.4    | 88.6    | 88.9    | 89.2        | 89.7    | 89.9        | 89.9        | 89.9    |
| GE 800     | 85.1    | 87.2    | 88.1    | 88.3    | 89.2    | 89.5        | 90.0    | 90.3        | 90.3        | 90.3    |
| GE 700     | 85.2    | 87.3    | 88.3    | 89.7    | 90.3    | 90.9        | 91.5    | 91.9        | 91.9        | 92.0    |
| GE 600     | 85.5    | 87.7    | 88.7    | 90.4    | 91.1    | 91.5        | 92.5    | 93.0        | 93.0        | 93.0    |
| GE 500     | 85.5    | 87.7    | 88.7    | 90.5    | 91.3    | 92.0        | 92.9    | 93.7        | 93.7        | 94.0    |
| GE 400     | 85.7    | 88.1    | 89.2    | 91.7    | 93.2    | 94.0        | 95.4    | 96.6        | 96.7        | 97.0    |
| GE 300     | 85.7    | 88.1    | 89.2    | 91.9    | 93.7    | 94.5        | 95.9    | 97.4        | 97.5        | 98.0    |
| GE 200     | 85.7    | 88.1    | 89.2    | 91.9    | 93.7    | 94.5        | 95.9    | 97.4        | 97.5        | 98.0    |
| GE 100     | 85.7    | 88.1    | 89.2    | 91.9    | 93.7    | 94.5        | 95.9    | 97.4        | 97.5        | 98.0    |
| GE 000     | 85.7    | 88.1    | 89.2    | 91.9    | 93.7    | 94.5        | 95.9    | 97.4        | 97.5        | 98.0    |

TOTAL NUMBER OF OBSERVATIONS

813

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3 - 2 - 101

PERIOD OF RECD: JUN 73 - MAY 83  
MONTH: DEC HOURS: 15-17

3 - 2 - 101

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

PERIOD  
MONTH:

.....  
CEILING

.....  
VISIBILITY IN STATUTE MILES

| IN<br>FEET | GE<br>7 | GE<br>5 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| NO CEIL    | 54.2    | 54.6    | 54.6    | 54.7    | 55.4    | 55.4        | 55.4    | 55.4        | 55.4        | 55.4    |
| GE 20000   | 51.3    | 51.7    | 51.9    | 52.0    | 52.6    | 52.6        | 52.6    | 52.6        | 52.6        | 52.6    |
| GE 18000   | 51.3    | 51.7    | 51.9    | 52.0    | 52.6    | 52.6        | 52.6    | 52.6        | 52.6        | 52.6    |
| GE 16000   | 51.3    | 51.7    | 51.9    | 52.0    | 52.6    | 52.6        | 52.6    | 52.6        | 52.6        | 52.6    |
| GE 14000   | 52.0    | 52.5    | 52.6    | 52.7    | 53.3    | 53.3        | 53.3    | 53.3        | 53.3        | 53.3    |
| GE 12000   | 52.7    | 53.2    | 53.3    | 53.5    | 54.1    | 54.1        | 54.1    | 54.1        | 54.1        | 54.1    |
| GE 10000   | 54.5    | 55.1    | 55.2    | 55.3    | 55.9    | 55.9        | 55.9    | 55.9        | 55.9        | 55.9    |
| GE 9000    | 54.7    | 55.2    | 55.3    | 55.4    | 56.1    | 56.1        | 56.1    | 56.1        | 56.1        | 56.1    |
| GE 8000    | 54.4    | 54.9    | 55.0    | 55.1    | 55.7    | 55.7        | 55.7    | 55.7        | 55.7        | 55.7    |
| GE 7000    | 70.0    | 70.5    | 70.6    | 70.7    | 71.3    | 71.3        | 71.3    | 71.3        | 71.3        | 71.3    |
| GE 6000    | 70.2    | 70.7    | 70.8    | 71.1    | 71.7    | 71.7        | 71.7    | 71.7        | 71.7        | 71.7    |
| GE 5000    | 72.3    | 72.8    | 73.2    | 73.4    | 74.0    | 74.0        | 74.0    | 74.0        | 74.0        | 74.0    |
| GE 4500    | 73.4    | 74.0    | 74.4    | 74.5    | 75.4    | 75.4        | 75.4    | 75.4        | 75.4        | 75.4    |
| GE 4000    | 75.4    | 75.1    | 75.9    | 77.2    | 77.9    | 77.9        | 77.9    | 77.9        | 77.9        | 77.9    |
| GE 3500    | 75.5    | 77.2    | 75.0    | 78.4    | 79.0    | 79.0        | 79.0    | 79.0        | 79.0        | 79.0    |
| GE 3000    | 73.3    | 79.5    | 80.3    | 80.8    | 81.4    | 81.4        | 81.4    | 81.4        | 81.4        | 81.4    |
| GE 2500    | 80.3    | 81.1    | 81.9    | 82.5    | 83.1    | 83.1        | 83.1    | 83.1        | 83.1        | 83.1    |
| GE 2000    | 82.5    | 83.5    | 84.4    | 85.0    | 85.5    | 85.5        | 85.5    | 85.5        | 85.5        | 85.5    |
| GE 1800    | 82.0    | 83.9    | 84.7    | 85.4    | 85.0    | 85.0        | 85.0    | 85.0        | 85.0        | 85.0    |
| GE 1500    | 83.4    | 84.5    | 85.4    | 85.0    | 86.7    | 86.7        | 86.7    | 86.7        | 86.7        | 86.7    |
| GE 1200    | 83.3    | 85.0    | 85.1    | 85.3    | 87.7    | 87.7        | 87.7    | 87.7        | 87.7        | 87.7    |
| GE 1000    | 84.1    | 85.4    | 85.5    | 87.2    | 88.1    | 88.1        | 88.2    | 88.2        | 88.2        | 88.2    |
| GE 900     | 84.4    | 85.7    | 87.0    | 88.1    | 88.2    | 88.2        | 89.2    | 89.2        | 89.2        | 89.2    |
| GE 800     | 84.7    | 86.3    | 87.5    | 88.9    | 89.9    | 89.9        | 90.2    | 90.2        | 90.2        | 90.2    |
| GE 700     | 84.9    | 86.5    | 88.1    | 89.3    | 90.9    | 90.9        | 91.1    | 91.1        | 91.1        | 91.1    |
| GE 600     | 84.9    | 86.3    | 88.4    | 90.3    | 91.4    | 91.4        | 91.8    | 91.9        | 91.9        | 91.9    |
| GE 500     | 84.9    | 86.5    | 88.4    | 90.4    | 91.5    | 91.5        | 92.5    | 93.1        | 93.1        | 93.1    |
| GE 400     | 84.9    | 87.0    | 88.5    | 91.1    | 93.1    | 93.2        | 94.5    | 95.7        | 95.7        | 95.7    |
| GE 300     | 84.9    | 87.0    | 88.6    | 91.1    | 93.4    | 93.5        | 95.2    | 96.3        | 96.3        | 97.4    |
| GE 200     | 84.9    | 87.0    | 88.5    | 91.1    | 93.4    | 93.6        | 95.3    | 96.9        | 97.3        | 97.3    |
| GE 100     | 84.9    | 87.0    | 88.5    | 91.1    | 93.4    | 93.5        | 95.3    | 96.9        | 97.3        | 97.3    |
| GE 000     | 84.9    | 87.0    | 88.5    | 91.1    | 93.4    | 93.5        | 95.3    | 96.9        | 97.3        | 97.3    |

TOTAL NUMBER OF OBSERVATIONS 813

F

PERIOD OF RECORD: JUN 75 - MAY 85  
MONTH: DEC HOURS: 18-20

7 - 2 - 1992

OPERATING LOCATION "A"  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBKINS AFB GA  
LST TO UTC: + 5

PC: 1  
MM: 1

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |         |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
|                       | GE<br>7                     | GE<br>6 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 | GE<br>1 |
| NO CEIL               | 58.1                        | 58.4    | 58.8    | 58.9    | 59.3    | 59.4        | 59.5    | 59.7        | 59.7        | 59.7    |
| GE 20000              | 62.7                        | 63.2    | 63.6    | 63.7    | 64.1    | 64.2        | 64.3    | 64.5        | 64.5        | 64.5    |
| GE 18000              | 62.7                        | 63.2    | 63.6    | 63.7    | 64.1    | 64.2        | 64.3    | 64.5        | 64.5        | 64.5    |
| GE 16000              | 62.7                        | 63.2    | 63.6    | 63.7    | 64.1    | 64.2        | 64.3    | 64.5        | 64.5        | 64.5    |
| GE 14000              | 63.5                        | 64.0    | 64.3    | 64.5    | 64.8    | 64.9        | 65.1    | 65.2        | 65.2        | 65.2    |
| GE 12000              | 64.3                        | 64.6    | 65.2    | 65.3    | 65.7    | 65.8        | 65.9    | 66.1        | 66.1        | 66.1    |
| GE 10000              | 66.4                        | 66.9    | 67.3    | 67.4    | 67.8    | 67.9        | 68.0    | 68.1        | 68.1        | 68.1    |
| GE 9000               | 66.9                        | 67.4    | 67.8    | 67.9    | 68.3    | 68.4        | 68.5    | 68.6        | 68.6        | 68.6    |
| GE 8000               | 69.2                        | 69.7    | 70.2    | 70.3    | 70.7    | 71.0        | 71.1    | 71.2        | 71.2        | 71.2    |
| GE 7000               | 70.5                        | 71.0    | 71.5    | 71.6    | 72.2    | 72.3        | 72.4    | 72.6        | 72.6        | 72.6    |
| GE 6000               | 70.5                        | 71.0    | 71.5    | 72.0    | 72.5    | 72.7        | 72.8    | 72.9        | 72.9        | 72.9    |
| GE 5000               | 71.6                        | 72.3    | 73.2    | 73.7    | 74.3    | 74.4        | 74.5    | 74.7        | 74.7        | 74.7    |
| GE 4500               | 72.5                        | 73.1    | 73.9    | 74.5    | 75.2    | 75.3        | 75.4    | 75.5        | 75.5        | 75.5    |
| GE 4000               | 74.2                        | 74.8    | 75.5    | 75.8    | 76.9    | 77.0        | 77.1    | 77.2        | 77.2        | 77.2    |
| GE 3500               | 74.9                        | 75.5    | 76.4    | 77.0    | 77.6    | 77.7        | 77.9    | 78.0        | 78.0        | 78.0    |
| GE 3000               | 76.4                        | 77.2    | 78.4    | 79.1    | 79.7    | 79.9        | 80.0    | 80.1        | 80.1        | 80.1    |
| GE 2500               | 77.5                        | 78.7    | 80.1    | 80.8    | 81.4    | 81.5        | 81.7    | 81.8        | 81.8        | 81.8    |
| GE 2000               | 78.5                        | 80.2    | 81.7    | 82.4    | 83.0    | 83.1        | 83.3    | 83.4        | 83.4        | 83.4    |
| GE 1800               | 79.3                        | 81.3    | 82.8    | 83.5    | 84.1    | 84.3        | 84.4    | 84.5        | 84.5        | 84.5    |
| GE 1600               | 80.3                        | 82.5    | 84.3    | 85.1    | 85.7    | 85.9        | 86.0    | 86.1        | 86.1        | 86.1    |
| GE 1400               | 81.1                        | 83.3    | 85.5    | 86.5    | 87.5    | 87.6        | 87.7    | 87.8        | 87.8        | 87.8    |
| GE 1200               | 82.0                        | 84.7    | 86.7    | 87.5    | 88.5    | 88.7        | 88.8    | 88.9        | 88.9        | 88.9    |
| GE 1000               | 82.5                        | 85.2    | 87.2    | 88.2    | 89.3    | 89.4        | 89.5    | 89.7        | 89.7        | 89.7    |
| GE 900                | 82.7                        | 85.4    | 87.5    | 88.4    | 89.9    | 90.0        | 90.2    | 90.3        | 90.3        | 90.3    |
| GE 800                | 83.0                        | 85.7    | 87.9    | 89.4    | 91.3    | 91.4        | 91.5    | 91.6        | 91.6        | 91.6    |
| GE 700                | 83.0                        | 85.9    | 88.1    | 89.9    | 92.0    | 92.1        | 92.4    | 92.5        | 92.5        | 92.5    |
| GE 600                | 83.0                        | 86.0    | 88.4    | 90.7    | 93.0    | 93.1        | 93.4    | 93.7        | 93.7        | 93.7    |
| GE 500                | 83.1                        | 86.5    | 89.7    | 91.4    | 94.1    | 94.2        | 95.0    | 95.3        | 95.3        | 95.3    |
| GE 400                | 83.1                        | 86.5    | 89.7    | 91.4    | 94.1    | 94.2        | 95.0    | 95.3        | 95.3        | 95.3    |
| GE 300                | 83.1                        | 86.5    | 89.7    | 91.4    | 94.1    | 94.2        | 95.0    | 95.3        | 95.3        | 95.3    |
| GE 200                | 83.1                        | 86.5    | 89.7    | 91.4    | 94.1    | 94.2        | 95.0    | 95.3        | 95.3        | 95.3    |
| GE 100                | 83.1                        | 86.5    | 89.7    | 91.4    | 94.1    | 94.2        | 95.0    | 95.3        | 95.3        | 95.3    |
| GE 000                | 83.1                        | 86.5    | 89.7    | 91.4    | 94.1    | 94.2        | 95.0    | 95.3        | 95.3        | 95.3    |

TOTAL NUMBER OF OBSERVATIONS 313

4

0 - 2 - 103

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

ABQ GA

PERIOD OF RECORD: JUN 76 - MAY 83  
MONTH: DEC HOURS: 21-23

| .....                       |      |       |       |      |      |      |      |      |      |       |
|-----------------------------|------|-------|-------|------|------|------|------|------|------|-------|
| VISIBILITY IN STATUTE MILES |      |       |       |      |      |      |      |      |      |       |
| 2                           | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/8  | 1/4  | 0     |
| .....                       |      |       |       |      |      |      |      |      |      |       |
| 57.5                        | 59.7 | 59.7  | 59.3  | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3  |
| 54.3                        | 54.5 | 54.5  | 54.5  | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5  |
| 54.3                        | 54.5 | 54.5  | 54.5  | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5  |
| 54.3                        | 54.5 | 54.5  | 54.5  | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5  |
| 55.1                        | 55.2 | 55.2  | 55.3  | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3  |
| 55.9                        | 55.1 | 55.1  | 55.2  | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2  |
| 53.0                        | 53.1 | 53.1  | 53.3  | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3  |
| 53.5                        | 53.5 | 53.5  | 53.3  | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3  |
| 71.1                        | 71.2 | 71.2  | 71.3  | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3  |
| 72.4                        | 72.5 | 72.5  | 72.7  | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7  |
| 72.5                        | 72.9 | 72.9  | 73.1  | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1  |
| 74.5                        | 74.7 | 74.7  | 74.3  | 74.5 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3  |
| 75.4                        | 75.5 | 75.5  | 75.5  | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5  |
| 77.1                        | 77.2 | 77.2  | 77.4  | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4  |
| 77.9                        | 78.0 | 78.0  | 78.1  | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1  |
| 80.0                        | 80.1 | 80.1  | 80.2  | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2  |
| 81.7                        | 81.3 | 81.3  | 81.9  | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9  |
| 83.3                        | 83.4 | 83.4  | 83.5  | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5  |
| 84.4                        | 84.5 | 84.5  | 84.5  | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5  |
| 85.0                        | 85.1 | 85.1  | 85.2  | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2  |
| 87.7                        | 87.3 | 87.3  | 87.9  | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9  |
| 89.5                        | 89.9 | 89.9  | 89.1  | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1  |
| 89.5                        | 89.7 | 89.7  | 89.5  | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3  |
| 90.2                        | 90.3 | 90.3  | 90.4  | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4  |
| 91.5                        | 91.5 | 91.5  | 91.5  | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3  |
| 92.4                        | 92.5 | 92.5  | 92.5  | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5  |
| 93.4                        | 93.7 | 93.7  | 93.3  | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3  |
| 95.0                        | 95.3 | 95.3  | 95.4  | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4  |
| 95.2                        | 95.6 | 95.9  | 97.5  | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7  |
| 95.3                        | 97.2 | 97.3  | 98.0  | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.3  |
| 96.3                        | 97.2 | 97.3  | 98.0  | 98.4 | 98.5 | 98.6 | 98.3 | 98.3 | 98.3 | 99.1  |
| 96.3                        | 97.2 | 97.3  | 98.0  | 98.4 | 98.5 | 98.5 | 98.9 | 98.9 | 98.9 | 100.0 |
| .....                       |      |       |       |      |      |      |      |      |      |       |

OPERATING LOCATION "A"  
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

| CEILING<br>IN<br>FEET | VISIBILITY IN STATUTE MILES |         |         |         |         |             |         |             |             |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
|                       | GE<br>7                     | GE<br>5 | GE<br>5 | GE<br>4 | GE<br>3 | GE<br>2 1/2 | GE<br>2 | GE<br>1 1/2 | GE<br>1 1/4 |
| NO CEIL               | 43.6                        | 42.6    | 50.1    | 50.6    | 51.0    | 51.0        | 51.1    | 51.1        | 51.1        |
| GE 20000              | 55.0                        | 55.3    | 55.9    | 57.4    | 57.5    | 57.7        | 57.9    | 58.0        | 58.0        |
| GE 18000              | 55.2                        | 55.5    | 57.1    | 57.5    | 58.0    | 58.0        | 58.1    | 58.2        | 58.2        |
| GE 16000              | 55.2                        | 55.5    | 57.1    | 57.6    | 58.0    | 58.0        | 58.1    | 58.2        | 58.2        |
| GE 14000              | 55.5                        | 55.3    | 57.5    | 58.0    | 58.4    | 58.4        | 58.5    | 58.5        | 58.5        |
| GE 12000              | 55.2                        | 57.5    | 58.2    | 58.7    | 59.1    | 59.1        | 59.2    | 59.2        | 59.2        |
| GE 10000              | 58.4                        | 59.7    | 60.4    | 60.9    | 61.3    | 61.4        | 61.5    | 61.5        | 61.5        |
| GE 9000               | 58.5                        | 59.9    | 60.5    | 61.1    | 61.5    | 61.5        | 61.7    | 61.8        | 61.8        |
| GE 8000               | 60.3                        | 62.3    | 63.0    | 63.4    | 64.0    | 64.1        | 64.2    | 64.3        | 64.3        |
| GE 7000               | 62.2                        | 63.7    | 64.5    | 65.0    | 65.5    | 65.5        | 65.6    | 65.7        | 65.7        |
| GE 6000               | 62.7                        | 64.2    | 64.9    | 65.5    | 66.0    | 66.1        | 66.2    | 66.3        | 66.3        |
| GE 5000               | 64.5                        | 65.2    | 67.0    | 67.7    | 68.3    | 68.3        | 68.4    | 68.5        | 68.5        |
| GE 4500               | 65.5                        | 67.1    | 68.0    | 68.7    | 69.2    | 69.3        | 69.4    | 69.5        | 69.5        |
| GE 4000               | 67.5                        | 69.2    | 70.1    | 70.3    | 71.4    | 71.5        | 71.6    | 71.7        | 71.7        |
| GE 3500               | 68.7                        | 70.5    | 71.5    | 72.2    | 72.3    | 72.9        | 73.0    | 73.0        | 73.0        |
| GE 3000               | 70.5                        | 72.4    | 73.5    | 74.3    | 74.9    | 75.0        | 75.1    | 75.2        | 75.2        |
| GE 2500               | 72.5                        | 74.5    | 75.3    | 75.5    | 77.3    | 77.4        | 77.5    | 77.5        | 77.5        |
| GE 2000               | 74.5                        | 75.9    | 78.2    | 79.1    | 79.5    | 79.9        | 80.1    | 80.1        | 80.1        |
| GE 1800               | 75.0                        | 77.4    | 78.7    | 79.5    | 80.3    | 80.5        | 80.5    | 80.7        | 80.7        |
| GE 1600               | 76.5                        | 79.0    | 80.4    | 81.3    | 82.1    | 82.3        | 82.5    | 82.5        | 82.5        |
| GE 1200               | 77.5                        | 80.1    | 81.5    | 82.5    | 83.5    | 83.7        | 84.0    | 84.0        | 84.0        |
| GE 1000               | 78.2                        | 80.9    | 82.5    | 83.5    | 84.5    | 84.5        | 85.1    | 85.2        | 85.2        |
| GE 900                | 78.7                        | 81.5    | 83.3    | 84.5    | 85.7    | 85.9        | 86.3    | 86.4        | 86.4        |
| GE 800                | 78.7                        | 82.0    | 83.3    | 85.2    | 86.5    | 86.9        | 87.3    | 87.4        | 87.4        |
| GE 700                | 79.0                        | 82.4    | 84.4    | 85.2    | 87.5    | 88.2        | 88.6    | 88.7        | 88.8        |
| GE 600                | 79.2                        | 82.5    | 84.3    | 86.0    | 88.5    | 89.2        | 89.3    | 89.0        | 89.0        |
| GE 500                | 79.2                        | 82.2    | 85.1    | 87.4    | 89.3    | 90.2        | 91.1    | 91.4        | 91.5        |
| GE 400                | 79.3                        | 83.0    | 85.4    | 88.2    | 90.5    | 91.5        | 92.9    | 93.5        | 93.7        |
| GE 300                | 79.3                        | 83.1    | 85.5    | 88.4    | 91.2    | 92.1        | 93.3    | 95.0        | 95.1        |
| GE 200                | 79.3                        | 83.1    | 85.5    | 88.5    | 91.5    | 92.4        | 94.3    | 95.3        | 95.9        |
| GE 100                | 79.3                        | 83.1    | 85.5    | 89.5    | 91.5    | 92.4        | 94.3    | 95.3        | 95.1        |
| GE 000                | 79.3                        | 83.1    | 85.5    | 89.5    | 91.5    | 92.4        | 94.3    | 95.3        | 95.1        |

TOTAL NUMBER OF OBSERVATIONS 5131

P

# FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: 35000  
PERIOD OF RECORD: JUN 74 - MAY 80  
MONTH: DEC HOURS: ALL

| .....                    |       |       |      |      |      |      |      |      |       |
|--------------------------|-------|-------|------|------|------|------|------|------|-------|
| CEILING IN STATUTE MILES |       |       |      |      |      |      |      |      |       |
| 0                        | 01    | 02    | 03   | 04   | 05   | 06   | 07   | 08   | 09    |
| 2                        | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/4  | 1/4  | 0     |
| .....                    |       |       |      |      |      |      |      |      |       |
| 51.1                     | 51.1  | 51.1  | 51.1 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.3  |
| 57.                      | 58.0  | 58.0  | 58.0 | 58.0 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1  |
| 58.1                     | 58.2  | 58.2  | 58.2 | 58.2 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3  |
| 58.1                     | 58.2  | 58.2  | 58.2 | 58.2 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3  |
| 58.5                     | 58.5  | 58.5  | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.7  |
| 59.2                     | 59.2  | 59.2  | 59.2 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.4  |
| 61.2                     | 61.5  | 61.5  | 61.5 | 61.5 | 61.5 | 61.7 | 61.7 | 61.7 | 61.7  |
| 61.7                     | 61.8  | 61.8  | 61.8 | 61.8 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9  |
| 64.2                     | 64.3  | 64.3  | 64.3 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4  |
| 65.5                     | 65.7  | 65.7  | 65.7 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8  |
| 65.2                     | 65.3  | 65.3  | 65.3 | 65.3 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4  |
| 68.1                     | 68.2  | 68.5  | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5  |
| 69.1                     | 69.5  | 69.5  | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5  |
| 71.7                     | 71.7  | 71.7  | 71.7 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8  |
| 73.0                     | 73.0  | 73.0  | 73.1 | 73.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2  |
| 75.1                     | 75.2  | 75.2  | 75.2 | 75.2 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3  |
| 77.5                     | 77.5  | 77.5  | 77.5 | 77.5 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7  |
| 80.1                     | 80.1  | 80.1  | 80.2 | 80.2 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3  |
| 80.5                     | 80.7  | 80.7  | 80.7 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8  |
| 82.5                     | 82.5  | 82.5  | 82.5 | 82.5 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7  |
| 84.0                     | 84.0  | 84.0  | 84.1 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2  |
| 85.1                     | 85.2  | 85.2  | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.4  |
| 85.5                     | 85.4  | 85.4  | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5  |
| 87.3                     | 87.4  | 87.4  | 87.5 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.5  |
| 88.5                     | 88.7  | 88.8  | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9  |
| 90.3                     | 90.0  | 90.0  | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3  |
| 91.1                     | 91.4  | 91.5  | 91.7 | 91.7 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9  |
| 91.9                     | 93.5  | 93.7  | 94.1 | 94.1 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3  |
| 93.2                     | 95.0  | 95.1  | 95.9 | 96.3 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5  |
| 94.3                     | 95.3  | 95.0  | 97.1 | 97.7 | 97.8 | 98.1 | 98.3 | 98.5 | 98.5  |
| 94.3                     | 95.3  | 95.1  | 97.3 | 97.9 | 98.1 | 98.5 | 98.8 | 99.1 | 99.6  |
| 99.3                     | 99.5  | 99.1  | 97.3 | 97.9 | 98.1 | 98.5 | 98.8 | 99.2 | 100.0 |
| .....                    |       |       |      |      |      |      |      |      |       |



OPERATING LOCATION "A"  
USAFSTAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
11 PM - 4 JULY 1957

STATION NUMBER: 722270

STATION NAME: COBBINS AFB GA  
LST TO VIC: F 5

.....  
CEILING

.....  
VISIBILITY IN STATUTE MILES

| IN<br>FEET | 57<br>7 | 58<br>4 | 59<br>5 | 60<br>4 | 61<br>3 | 62<br>1 1/2 | 63<br>2 | 64<br>1 1/2 | 65<br>1 1/4 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
| NO CEIL    | 46.5    | 49.5    | 51.5    | 52.7    | 53.3    | 54.5        | 52.6    | 53.7        | 53.7        |
| GE 20000   | 51.5    | 55.4    | 58.5    | 59.9    | 59.7    | 59.9        | 61.0    | 61.1        | 61.1        |
| GE 19000   | 51.7    | 55.5    | 58.9    | 59.2    | 59.3    | 61.1        | 61.3    | 61.3        | 61.3        |
| GE 18000   | 51.3    | 55.7    | 59.0    | 59.3    | 61.0    | 61.2        | 61.3    | 61.4        | 61.4        |
| GE 14000   | 52.2    | 57.2    | 59.5    | 59.9    | 61.7    | 61.5        | 62.0    | 62.0        | 62.2        |
| GE 12000   | 53.2    | 58.3    | 60.7    | 62.0    | 62.3    | 63.0        | 63.1    | 63.2        | 63.2        |
| GE 10000   | 55.0    | 61.5    | 64.0    | 65.5    | 66.4    | 66.5        | 66.7    | 66.7        | 66.7        |
| GE 9000    | 55.4    | 61.9    | 64.5    | 65.9    | 66.9    | 67.3        | 67.1    | 67.3        | 67.3        |
| GE 8000    | 53.3    | 64.2    | 65.9    | 65.5    | 69.5    | 69.5        | 69.3    | 69.9        | 69.9        |
| GE 7000    | 59.0    | 64.9    | 67.7    | 69.3    | 70.3    | 70.4        | 70.5    | 70.7        | 70.7        |
| GE 6000    | 60.4    | 65.3    | 66.2    | 69.5    | 70.3    | 70.9        | 71.1    | 71.2        | 71.2        |
| GE 5000    | 60.7    | 65.5    | 69.7    | 71.4    | 72.4    | 72.5        | 72.3    | 72.4        | 72.4        |
| GE 4000    | 61.3    | 67.5    | 70.4    | 72.2    | 73.3    | 73.4        | 73.7    | 73.7        | 73.5        |
| GE 4000    | 63.3    | 69.5    | 72.9    | 74.7    | 75.9    | 75.1        | 75.3    | 75.4        | 75.5        |
| GE 3500    | 64.4    | 71.1    | 74.3    | 75.2    | 77.4    | 77.5        | 77.5    | 77.9        | 78.0        |
| GE 3000    | 65.2    | 73.2    | 76.5    | 74.7    | 77.9    | 80.2        | 80.4    | 80.5        | 80.5        |
| GE 2500    | 67.5    | 74.5    | 78.4    | 80.5    | 81.5    | 82.1        | 82.4    | 82.5        | 82.5        |
| GE 2000    | 69.1    | 75.5    | 80.4    | 82.5    | 84.2    | 84.3        | 84.7    | 84.7        | 84.9        |
| GE 1800    | 69.5    | 77.0    | 80.3    | 83.1    | 84.5    | 84.5        | 85.2    | 85.3        | 85.5        |
| GE 1500    | 70.4    | 78.2    | 82.2    | 84.5    | 86.1    | 85.4        | 86.5    | 87.0        | 87.0        |
| GE 1200    | 71.2    | 79.3    | 83.5    | 85.9    | 87.7    | 88.1        | 88.5    | 88.7        | 88.7        |
| GE 1000    | 71.7    | 79.9    | 84.3    | 87.0    | 89.3    | 89.3        | 89.3    | 89.9        | 89.1        |
| GE 900     | 71.9    | 80.3    | 84.3    | 87.7    | 89.7    | 90.1        | 90.5    | 89.9        | 89.9        |
| GE 800     | 72.1    | 80.5    | 85.4    | 88.4    | 90.5    | 91.0        | 91.5    | 91.5        | 91.3        |
| GE 700     | 72.2    | 80.9    | 85.5    | 89.0    | 91.4    | 92.0        | 92.5    | 92.9        | 93.0        |
| GE 600     | 72.3    | 81.2    | 85.2    | 89.7    | 92.3    | 92.9        | 93.7    | 94.1        | 94.1        |
| GE 500     | 72.4    | 81.4    | 85.7    | 89.4    | 93.3    | 94.0        | 95.0    | 95.5        | 95.5        |
| GE 400     | 72.5    | 81.5    | 86.0    | 90.5    | 94.0    | 94.4        | 95.0    | 95.7        | 95.5        |
| GE 300     | 72.5    | 81.5    | 87.0    | 90.9    | 94.3    | 95.2        | 95.5    | 97.5        | 97.7        |
| GE 200     | 72.5    | 81.5    | 87.0    | 91.0    | 94.4    | 95.3        | 95.5    | 97.9        | 98.1        |
| GE 100     | 72.5    | 81.5    | 87.0    | 91.0    | 94.4    | 95.3        | 95.9    | 97.9        | 98.1        |
| GE 50      | 72.5    | 81.5    | 87.0    | 91.0    | 94.4    | 95.3        | 95.9    | 97.9        | 98.1        |

TOTAL NUMBER OF OBSERVATIONS: 57927

# THE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

14-00 GA

PERIOD OF RECORD: JUL 73 - MAY 82  
MONTH: ALL HOURS: ALL

.....  
CEILING IN STATUTE MILES

|    | 0    | 50   | 50    | 50    | 50   | 50   | 50   | 50   | 50   | 50    |
|----|------|------|-------|-------|------|------|------|------|------|-------|
|    | 1/2  | 2    | 1 1/2 | 1 1/4 | 1    | 3/4  | 5/8  | 1/2  | 3/8  | 1/4   |
| 0  | 53.6 | 53.7 | 53.7  | 53.7  | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7  |
| 1  | 51.0 | 51.1 | 51.1  | 51.1  | 51.1 | 51.1 | 51.1 | 51.1 | 51.2 | 51.2  |
| 2  | 51.3 | 51.3 | 51.3  | 51.4  | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4  |
| 3  | 51.3 | 51.4 | 51.4  | 51.4  | 51.4 | 51.4 | 51.5 | 51.5 | 51.5 | 51.5  |
| 4  | 52.0 | 52.0 | 52.0  | 52.1  | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1  |
| 5  | 53.1 | 53.2 | 53.2  | 53.2  | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3  |
| 6  | 55.7 | 55.7 | 55.5  | 55.5  | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5  |
| 7  | 57.2 | 57.3 | 57.3  | 57.3  | 57.3 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4  |
| 8  | 59.5 | 59.9 | 59.9  | 59.9  | 59.9 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0  |
| 9  | 70.5 | 70.7 | 70.7  | 70.7  | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8  |
| 10 | 71.1 | 71.2 | 71.2  | 71.3  | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3  |
| 11 | 72.3 | 72.9 | 72.9  | 73.0  | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0  |
| 12 | 73.7 | 73.7 | 73.5  | 73.5  | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5  |
| 13 | 75.3 | 75.4 | 75.5  | 75.5  | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5  |
| 14 | 77.8 | 77.9 | 78.0  | 78.0  | 78.0 | 78.0 | 78.0 | 78.0 | 78.1 | 78.1  |
| 15 | 80.4 | 80.5 | 80.5  | 80.5  | 80.5 | 80.5 | 80.7 | 80.7 | 80.7 | 80.7  |
| 16 | 82.4 | 82.5 | 82.5  | 82.5  | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5  |
| 17 | 84.7 | 84.7 | 84.7  | 84.9  | 84.9 | 84.9 | 85.0 | 85.0 | 85.0 | 85.0  |
| 18 | 85.2 | 85.3 | 85.4  | 85.4  | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5  |
| 19 | 87.1 | 87.0 | 87.0  | 87.0  | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1  |
| 20 | 88.5 | 88.7 | 88.7  | 88.8  | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8  |
| 21 | 90.3 | 90.0 | 90.1  | 90.1  | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2  |
| 22 | 90.5 | 90.9 | 90.9  | 91.0  | 91.0 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1  |
| 23 | 91.5 | 91.3 | 91.3  | 92.0  | 92.0 | 92.0 | 92.0 | 92.0 | 92.1 | 92.1  |
| 24 | 92.5 | 92.7 | 93.0  | 93.0  | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.2  |
| 25 | 93.7 | 94.1 | 94.1  | 94.2  | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4  |
| 26 | 95.0 | 95.5 | 95.5  | 95.7  | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.9  |
| 27 | 95.3 | 95.7 | 95.4  | 97.1  | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3  |
| 28 | 95.5 | 97.5 | 97.7  | 98.1  | 98.2 | 98.2 | 98.4 | 98.4 | 98.5 | 98.5  |
| 29 | 95.5 | 97.2 | 98.1  | 98.5  | 98.8 | 98.9 | 99.1 | 99.2 | 99.3 | 99.4  |
| 30 | 95.7 | 97.9 | 98.1  | 98.7  | 99.0 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9  |
| 31 | 95.9 | 97.0 | 98.1  | 98.7  | 99.0 | 99.1 | 99.4 | 99.5 | 99.7 | 100.0 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 702270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

21  
40%

| HOURS<br>(LST) | AIRWAY CLASSES |           |        |          | TOTAL<br>OBSERVATION | OF<br>1/2 |
|----------------|----------------|-----------|--------|----------|----------------------|-----------|
|                | CLEAR          | SCATTERED | BROKEN | OVERCAST |                      |           |
| 00-02          | 10.0           | 10.0      | 15.0   | 65.0     |                      | 60.0      |
| 03-05          | 35.0           | 13.5      | 10.0   | 37.2     | 3.3                  | 51.5      |
| 06-08          | 23.4           | 20.7      | 14.0   | 33.3     | 2.7                  | 55.0      |
| 09-11          | 15.1           | 23.4      | 15.2   | 40.0     | 2.5                  | 60.3      |
| 12-14          | 14.0           | 23.2      | 24.1   | 37.4     | 1.2                  | 62.7      |
| 15-17          | 14.5           | 24.3      | 23.3   | 35.9     | 1.5                  | 60.7      |
| 18-20          | 20.1           | 20.9      | 20.5   | 35.3     | 2.1                  | 54.0      |
| 21-23          | 31.2           | 15.1      | 15.6   | 35.3     | 2.2                  | 53.7      |
| ALL<br>HOURS   | 20.0           | 20.0      | 18.0   | 37.0     | 2.0                  | 55.0      |

|              |      |      |      |      |     |      |
|--------------|------|------|------|------|-----|------|
| 00-02        |      | 22.2 |      | 77.5 |     | 77.5 |
| 03-05        | 20.1 | 15.3 | 16.0 | 36.4 | 2.3 | 55.5 |
| 06-08        | 17.1 | 21.0 | 17.2 | 41.1 | 3.7 | 62.0 |
| 09-11        | 13.2 | 20.3 | 19.4 | 45.0 | 2.1 | 55.5 |
| 12-14        | 12.5 | 21.5 | 22.5 | 42.2 | .0  | 65.5 |
| 15-17        | 12.5 | 19.5 | 25.0 | 41.2 | .5  | 67.0 |
| 18-20        | 15.5 | 22.1 | 19.4 | 41.2 | 1.4 | 62.1 |
| 21-23        | 20.7 | 15.0 | 13.5 | 33.9 | 1.9 | 54.3 |
| ALL<br>HOURS | 17.4 | 19.9 | 19.5 | 41.4 | 1.2 | 62.7 |

# FREQUENCY OF OCCURRENCE OF SKY COVER FROM HOURLY OBSERVATIONS

STATION: GA PERIOD OF RECORD: JUN 71 - MAY 88  
MONTH: JAN HOURS: ALL

| .....     |             |      |             |       |
|-----------|-------------|------|-------------|-------|
| Y CLASSES |             |      |             |       |
| ACT       | TOTAL       | GT   | PARTIAL     | TOTAL |
|           | OBSERVATION | 1/2  | OBSERVATION | OBS   |
| .....     |             |      |             |       |
| 0         |             | 50.0 |             | 20    |
| .1        | 3.3         | 51.5 | .7          | 274   |
| .2        | 2.7         | 55.9 | 2.6         | 535   |
| .3        | 2.6         | 50.3 | 4.2         | 395   |
| .4        | 1.2         | 52.7 | 2.5         | 243   |
| .5        | 1.5         | 50.7 | 2.5         | 543   |
| .6        | 2.1         | 57.0 | 1.1         | 134   |
| .7        | 2.2         | 53.7 | 1.8         | 431   |
| .8        | 2.0         | 53.0 | 2.0         | 5535  |
| .....     |             |      |             |       |

MONTH: FEB HOURS: ALL

| ..... |     |      |     |      |
|-------|-----|------|-----|------|
|       |     | 77.3 |     | 0    |
| .0    | 2.3 | 55.6 | 2.3 | 251  |
| .1    | 3.7 | 52.0 | 1.9 | 349  |
| .2    | 2.1 | 55.5 | 3.2 | 249  |
| .3    | .0  | 65.5 | 2.0 | 349  |
| .4    | .6  | 57.3 | 1.5 | 349  |
| .5    | 1.4 | 52.1 | 1.4 | 249  |
| .6    | 1.9 | 54.3 | .3  | 349  |
| .7    | 1.3 | 52.7 | 1.3 | 3354 |
| ..... |     |      |     |      |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

0.5  
40.0

| HOURS<br>(LST) | AIRWAY CLASSES |           |        |          | TOTAL<br>OBSERVATION | GT<br>1/2 |
|----------------|----------------|-----------|--------|----------|----------------------|-----------|
|                | CLEAR          | SCATTERED | BROKEN | OVERCAST |                      |           |
| 00-02          |                |           |        |          |                      |           |
| 03-05          | 30.1           | 17.9      | 17.2   | 33.0     | 1.8                  | 52.0      |
| 06-08          | 19.7           | 21.5      | 20.3   | 35.9     | 2.5                  | 53.7      |
| 09-11          | 16.7           | 22.9      | 22.7   | 35.7     | 1.1                  | 50.4      |
| 12-14          | 13.0           | 24.8      | 24.9   | 36.3     | .9                   | 52.2      |
| 15-17          | 11.5           | 25.4      | 27.5   | 34.5     | .5                   | 53.1      |
| 18-20          | 15.7           | 25.0      | 24.5   | 32.3     | .4                   | 57.2      |
| 21-23          | 30.5           | 22.0      | 16.3   | 30.5     | .4                   | 47.3      |
| ALL<br>HOURS   | 18.0           | 23.0      | 22.0   | 34.0     | 1.0                  | 57.0      |

1.

|              |      |      |      |      |     |      |
|--------------|------|------|------|------|-----|------|
| 00-02        |      |      |      |      |     |      |
| 03-05        | 42.7 | 16.5 | 12.5 | 27.0 | 1.1 | 40.7 |
| 06-08        | 21.2 | 28.4 | 18.7 | 30.1 | 1.0 | 49.3 |
| 09-11        | 18.3 | 28.9 | 22.1 | 29.7 | .6  | 52.3 |
| 12-14        | 9.3  | 34.1 | 25.3 | 29.3 |     | 55.1 |
| 15-17        | 10.1 | 31.2 | 27.3 | 31.0 | .3  | 52.7 |
| 18-20        | 14.2 | 28.4 | 27.3 | 29.0 | .3  | 55.7 |
| 21-23        | 32.1 | 23.2 | 17.3 | 26.3 | 1.0 | 44.7 |
| ALL<br>HOURS | 19.1 | 23.4 | 22.7 | 29.2 | .6  | 52.0 |

# FREQUENCY OF OCCURRENCE OF SKY COVER IN HOURLY OBSERVATIONS

WAB 6A PERIOD OF RECORD: JUN 75 - MAY 83  
MONTH: MAR HOURS: ALL

| .....     |             |      |             |       |
|-----------|-------------|------|-------------|-------|
| Y CLASSES |             |      |             |       |
| AST       | TOTAL       | GT   | PARTIAL     | TOTAL |
|           | OBSERVATION | 1/2  | OBSERVATION | 1/2   |
| .....     |             |      |             |       |
|           |             |      |             | 0     |
| 0         | 1.8         | 52.0 | 2.5         | 279   |
| 1         | 2.5         | 53.7 | 2.2         | 930   |
| 2         | 1.1         | 50.4 | 1.7         | 930   |
| 3         | .9          | 52.2 | .6          | 930   |
| 4         | .5          | 53.1 | .5          | 930   |
| 5         | .4          | 57.2 | .4          | 930   |
| 6         | .4          | 47.3 | .9          | 930   |
| 7         | 1.0         | 57.0 | 1.0         | 5650  |
| .....     |             |      |             |       |

MONTH: APR HOURS: ALL

| ..... |     |      |     |      |
|-------|-----|------|-----|------|
|       |     |      |     | 0    |
| 0     | 1.1 | 40.7 | 2.2 | 356  |
| 1     | 1.0 | 49.3 | 1.1 | 900  |
| 2     | .6  | 52.3 | .5  | 900  |
| 3     |     | 56.1 | .4  | 900  |
| 4     | .3  | 58.7 | .2  | 900  |
| 5     | .3  | 56.7 | .2  | 900  |
| 6     | 1.0 | 44.7 | .5  | 767  |
| 7     | .6  | 52.0 | .6  | 5623 |
| ..... |     |      |     |      |

5

OPERATING LOCATION "A"  
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBINS AFB GA  
LST TO UTC: + 5

AFSL  
MONT

| HOURS<br>(LST) | AIRWAY CLASSES |           |        |          | TOTAL<br>OBSERVATION | ST<br>1/2 |
|----------------|----------------|-----------|--------|----------|----------------------|-----------|
|                | CLEAR          | SCATTERED | BROKEN | OVERCAST |                      |           |
| 00-02          |                | 100.0     |        |          |                      |           |
| 03-05          | 32.3           | 21.4      | 21.6   | 23.1     | 1.5                  | 46.3      |
| 06-08          | 16.3           | 27.4      | 27.6   | 25.5     | 1.6                  | 55.4      |
| 09-11          | 16.3           | 27.3      | 27.4   | 27.8     | .1                   | 55.4      |
| 12-14          | 6.2            | 32.0      | 36.6   | 25.1     | .1                   | 61.7      |
| 15-17          | 4.4            | 37.0      | 34.3   | 23.0     |                      | 58.6      |
| 18-20          | 6.9            | 34.1      | 20.2   | 23.9     |                      | 57.0      |
| 21-23          | 25.5           | 26.1      | 24.3   | 23.5     |                      | 44.3      |
| ALL<br>HOURS   | 14.0           | 30.0      | 29.0   | 25.0     | .0                   | 55.0      |

|              |      |      |      |      |     |      |
|--------------|------|------|------|------|-----|------|
| 00-02        |      |      |      |      |     |      |
| 03-05        | 24.7 | 23.3 | 20.7 | 21.1 | 1.1 | 43.0 |
| 06-08        | 14.7 | 32.0 | 24.3 | 27.2 | .9  | 52.4 |
| 09-11        | 11.5 | 37.0 | 26.0 | 23.6 | .1  | 50.6 |
| 12-14        | 2.0  | 41.3 | 35.4 | 19.3 |     | 50.0 |
| 15-17        | 4.2  | 44.9 | 35.0 | 15.3 | .1  | 50.0 |
| 18-20        | 9.7  | 39.2 | 32.2 | 19.0 |     | 52.1 |
| 21-23        | 25.3 | 32.7 | 22.5 | 17.5 |     | 42.0 |
| ALL<br>HOURS | 12.3 | 37.3 | 29.1 | 21.0 | .3  | 50.4 |

A

# FREQUENCY OF OCCURRENCE OF SKY COVER HOURLY OBSERVATIONS

54 PERIOD OF RECORD: JUN 74 - MAY 84  
 MONTH: MAY HOURS: ALL

| CLASSES | TOTAL       | GT   | PARTIAL     | TOTAL |
|---------|-------------|------|-------------|-------|
| 1       | DISCURATION | 1/2  | DISCURATION | 945   |
|         |             |      |             | 3     |
| 1       | 1.5         | 46.3 | 3.7         | 588   |
| 2       | 1.5         | 55.4 | 3.3         | 930   |
| 3       | .1          | 56.4 | 1.4         | 930   |
| 4       | .1          | 61.7 | .5          | 930   |
| 5       |             | 51.5 | .4          | 928   |
| 6       |             | 57.0 | 1.0         | 922   |
| 7       |             | 44.3 | 2.3         | 513   |
| 8       | .0          | 55.0 | 1.0         | 5244  |

MONTH: JUL HOURS: ALL

| CLASSES | TOTAL       | GT   | PARTIAL     | TOTAL |
|---------|-------------|------|-------------|-------|
| 1       | DISCURATION | 1/2  | DISCURATION | 945   |
|         |             |      |             | 0     |
| 1       | 1.1         | 43.0 | 3.3         | 540   |
| 2       | .9          | 52.4 | 4.5         | 900   |
| 3       | .1          | 50.5 | 3.3         | 900   |
| 4       |             | 55.3 | 2.5         | 900   |
| 5       | .1          | 50.0 | 4.0         | 900   |
| 6       |             | 52.1 | 2.4         | 900   |
| 7       |             | 42.0 | 1.0         | 500   |
| 8       | .3          | 50.4 | 3.4         | 5540  |



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBS IS AFB GA

LST TO UTC: + 5

0-21

4701

| HOURS<br>(LST) | AIRWAY CLASSES |           |        |          | TOTAL<br>DISCUSSION | SI<br>1/2 |
|----------------|----------------|-----------|--------|----------|---------------------|-----------|
|                | CLEAR          | SCATTERED | BROKEN | OVERCAST |                     |           |
| 00-02          |                |           |        | 100.0    |                     | 100.0     |
| 03-05          | 24.8           | 34.1      | 20.3   | 10.7     | 1.1                 | 41.1      |
| 06-08          | 13.4           | 32.6      | 25.3   | 25.3     | .9                  | 54.1      |
| 09-11          | 10.5           | 36.1      | 30.2   | 23.1     |                     | 53.3      |
| 12-14          | 1.3            | 40.9      | 41.7   | 15.1     |                     | 57.1      |
| 15-17          | .5             | 44.4      | 34.7   | 20.2     |                     | 54.9      |
| 18-20          | 5.4            | 36.1      | 33.3   | 25.2     |                     | 53.5      |
| 21-23          | 15.7           | 34.2      | 27.0   | 23.1     |                     | 53.1      |
| ALL<br>HOURS   | 9.0            | 37.0      | 31.0   | 22.0     | .0                  | 53.0      |

|              |      |      |      |       |     |       |
|--------------|------|------|------|-------|-----|-------|
| 00-02        |      |      |      | 100.0 |     | 100.0 |
| 03-05        | 23.3 | 25.3 | 22.5 | 21.3  | 1.1 | 43.4  |
| 06-08        | 12.5 | 33.1 | 30.4 | 23.0  | 1.0 | 54.4  |
| 09-11        | 14.5 | 31.4 | 34.5 | 19.4  | .2  | 54.1  |
| 12-14        | 2.0  | 40.0 | 41.3 | 15.7  |     | 54.0  |
| 15-17        | .1   | 43.2 | 41.5 | 15.1  | .1  | 55.7  |
| 18-20        | 5.4  | 41.7 | 33.4 | 19.5  |     | 52.0  |
| 21-23        | 25.5 | 30.4 | 22.3 | 21.2  |     | 43.0  |
| ALL<br>HOURS | 10.0 | 35.0 | 33.5 | 19.3  | .3  | 53.1  |

FREQUENCY OF OCCURRENCE OF SKY COVER  
 4 HOURLY OBSERVATIONS

TO GA PERIOD OF RECORD: JUN 73 - MAY 80  
 MONTH: JUL HOURS: ALL

| CLASSES |                      |           |                        |              |
|---------|----------------------|-----------|------------------------|--------------|
| ST      | TOTAL<br>OBSERVATION | ST<br>1/2 | PARTIAL<br>OBSERVATION | TOTAL<br>IPS |
| 0       |                      | 100.0     |                        | 3            |
| 7       | 1.1                  | 41.1      | 9.9                    | 557          |
| 3       | .9                   | 54.0      | 5.7                    | 925          |
| 1       |                      | 53.3      | 7.5                    | 939          |
| 1       |                      | 57.3      | 9.3                    | 930          |
|         |                      | 54.9      | 9.9                    | 930          |
| 2       |                      | 58.5      | 9.5                    | 930          |
| 1       |                      | 59.1      | 9.3                    | 623          |
|         | .0                   | 53.0      | 3.0                    | 5429         |

MONTH: AUG HOURS: ALL

|   |     |       |      |      |
|---|-----|-------|------|------|
| 0 |     | 100.0 |      | 5    |
|   | 1.1 | 45.4  | 9.1  | 559  |
|   | 1.0 | 54.4  | 15.1 | 930  |
|   | .2  | 54.1  | 9.0  | 930  |
|   |     | 54.0  | 5.1  | 930  |
|   | .1  | 55.7  | 9.5  | 930  |
|   |     | 52.9  | 7.0  | 930  |
|   |     | 43.9  | 5.4  | 624  |
|   | .3  | 53.1  | 9.4  | 5539 |

OPERATING LOCATION "AA"  
USAFETYAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

WIND  
DIR

| HOURS<br>(LST) | AIRWAY CLASSES |           |        |          | TOTAL<br>OBSERVATION | OF<br>1/2 |
|----------------|----------------|-----------|--------|----------|----------------------|-----------|
|                | CLEAR          | SCATTERED | BROKEN | OVERCAST |                      |           |
| 00-02          |                | 25.0      | 75.0   |          |                      | 75.0      |
| 03-05          | 39.6           | 23.6      | 13.3   | 22.3     | 1.1                  | 26.6      |
| 06-08          | 13.1           | 34.1      | 21.3   | 24.1     | 1.9                  | 47.6      |
| 09-11          | 17.1           | 33.9      | 24.4   | 24.6     |                      | 49.0      |
| 12-14          | 6.1            | 34.4      | 33.7   | 21.3     |                      | 65.4      |
| 15-17          | 5.3            | 42.3      | 32.0   | 19.9     |                      | 51.9      |
| 18-20          | 14.0           | 39.4      | 25.4   | 21.1     |                      | 46.6      |
| 21-23          | 32.9           | 29.4      | 19.3   | 17.9     |                      | 37.7      |
| ALL<br>HOURS   | 17.0           | 35.0      | 23.0   | 21.0     | .0                   | 47.0      |

|              |      |      |      |      |     |      |
|--------------|------|------|------|------|-----|------|
| 00-02        |      |      |      |      |     |      |
| 03-05        | 43.5 | 16.1 | 15.2 | 22.7 | 2.5 | 40.7 |
| 06-08        | 24.6 | 27.7 | 13.3 | 25.2 | 2.6 | 47.6 |
| 09-11        | 24.0 | 25.2 | 22.3 | 23.8 | 1.3 | 47.9 |
| 12-14        | 13.2 | 31.1 | 27.9 | 21.9 | 1.0 | 60.1 |
| 15-17        | 17.7 | 34.9 | 27.1 | 19.7 | .6  | 47.0 |
| 18-20        | 29.6 | 30.0 | 26.4 | 20.6 | .3  | 41.4 |
| 21-23        | 41.4 | 19.4 | 16.2 | 22.9 | .2  | 39.2 |
| ALL<br>HOURS | 26.7 | 27.3 | 21.1 | 22.5 | 1.2 | 45.6 |

FREQUENCY OF OCCURRENCE OF SKY COVER  
BY HOURLY OBSERVATIONS

APR 64 PERIOD OF RECORD: JUN 73 - MAY 86  
MONTH: SEP HOURS: ALL

| Y CLASSES | TOTAL<br>OBSERVATION | BT<br>1/2 | PARTIAL<br>OBSERVATION | TOTAL<br>OBS |
|-----------|----------------------|-----------|------------------------|--------------|
|           |                      | 75.0      |                        | 4            |
| 0.3       | 1.1                  | 36.6      | 3.7                    | 543          |
| 0.1       | 1.0                  | 47.8      | 7.1                    | 900          |
| 0.5       |                      | 49.0      | 4.5                    | 900          |
| 0.3       |                      | 55.4      | 3.0                    | 900          |
|           |                      | 51.0      | 3.4                    | 900          |
| 1         |                      | 46.5      | 2.0                    | 900          |
| 0         |                      | 37.7      | 2.2                    | 602          |
| 0         | 0.0                  | 47.0      | 3.0                    | 5040         |

MONTH: OCT HOURS: ALL

|   |     |      |     |      |
|---|-----|------|-----|------|
|   |     |      |     | 0    |
| 7 | 2.5 | 40.7 | 1.5 | 541  |
| 0 | 2.5 | 47.5 | 3.2 | 930  |
| 0 | 1.3 | 47.3 | 2.0 | 930  |
| 0 | 1.0 | 50.0 | 1.2 | 930  |
| 7 | 0.0 | 47.0 | 0.9 | 930  |
| 0 | 0.3 | 41.4 | 1.3 | 930  |
| 0 | 0.2 | 39.2 | 1.2 | 565  |
| 0 | 1.2 | 45.5 | 1.5 | 5355 |

13

OPERATING LOCATION "AW"  
USAFPTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

| HOURS<br>(LST) | AIRWAY CLASSES |           |        |          | TOTAL<br>OBSERVATION | GT<br>1/2 |
|----------------|----------------|-----------|--------|----------|----------------------|-----------|
|                | CLEAR          | SCATTERED | BROKEN | OVERCAST |                      |           |
| 00-02          |                | 29.4      | 35.3   | 35.3     |                      | 70.0      |
| 03-05          | 34.0           | 12.1      | 20.6   | 30.1     | 3.2                  | 83.0      |
| 06-08          | 23.9           | 19.0      | 18.3   | 35.0     | 3.4                  | 87.2      |
| 09-11          | 14.9           | 21.3      | 20.6   | 37.0     | 1.4                  | 89.0      |
| 12-14          | 15.2           | 23.9      | 23.9   | 35.3     | .7                   | 89.0      |
| 15-17          | 13.3           | 24.0      | 30.3   | 30.4     | .6                   | 81.3      |
| 18-20          | 22.2           | 24.8      | 22.7   | 29.6     | .2                   | 83.0      |
| 21-23          | 33.0           | 14.0      | 14.2   | 32.2     | 1.1                  | 84.1      |
| ALL<br>HOURS   | 21.0           | 21.0      | 21.0   | 33.0     | 1.0                  | 85.0      |

|              |      |      |      |      |     |      |
|--------------|------|------|------|------|-----|------|
| 00-02        | 50.0 |      |      | 50.0 |     | 50.0 |
| 03-05        | 35.2 | 15.2 | 15.4 | 30.0 | 3.2 | 83.0 |
| 06-08        | 21.0 | 22.9 | 20.5 | 31.9 | 3.8 | 80.0 |
| 09-11        | 14.0 | 25.6 | 23.1 | 33.5 | 3.6 | 80.1 |
| 12-14        | 14.1 | 25.7 | 20.7 | 32.1 | 1.4 | 80.0 |
| 15-17        | 11.6 | 20.5 | 23.3 | 29.2 | 1.6 | 80.0 |
| 18-20        | 21.3 | 26.0 | 24.2 | 25.3 | 1.7 | 81.3 |
| 21-23        | 34.2 | 21.0 | 15.5 | 25.5 | 1.8 | 86.0 |
| ALL<br>HOURS | 20.2 | 25.1 | 22.7 | 29.7 | 2.3 | 84.7 |

FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM DAILY OBSERVATIONS

APR 34 PERIOD OF RECORD: JUN 73 - MAY 76  
MONTH: NOV HOUR: ALL

| SKY CLASSES |                       |           |                         |              |
|-------------|-----------------------|-----------|-------------------------|--------------|
| BASE        | TOTAL<br>OBSERVATIONS | IF<br>1/2 | PARTIAL<br>OBSERVATIONS | TOTAL<br>HRS |
| 0.3         |                       | 70.6      |                         | 17           |
| 0.1         | 3.2                   | 53.9      | 1.4                     | 232          |
| 0.0         | 3.3                   | 57.2      | 3.2                     | 900          |
| 0.0         | 1.4                   | 59.0      | 3.9                     | 900          |
| 0.3         | .7                    | 79.9      | 1.4                     | 900          |
| 0.4         | .6                    | 51.3      | 1.3                     | 900          |
| 0.5         | .2                    | 53.0      | 1.3                     | 900          |
| 0.0         | 1.1                   | 45.1      | 1.0                     | 900          |
| 0.0         | 1.0                   | 55.0      | 2.0                     | 5497         |

MONTH: DEC HOUR: ALL

|     |     |      |     |      |
|-----|-----|------|-----|------|
| 0.0 |     | 50.0 |     | 0    |
| 0.0 | 5.2 | 43.0 | 4.0 | 247  |
| 0.0 | 3.3 | 50.2 | 3.0 | 513  |
| 0.0 | 3.6 | 60.1 | 3.6 | 513  |
| 0.1 | 1.4 | 50.0 | 1.7 | 513  |
| 0.0 | 1.0 | 53.9 | 1.4 | 513  |
| 0.0 | 1.7 | 51.5 | 1.5 | 513  |
| 0.0 | 1.3 | 45.0 | 1.6 | 513  |
| 0.0 | 2.3 | 54.7 | 2.3 | 5131 |

OPERATING LOCATION: WAM  
 USATFAC, ACHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRING IN 30%  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 720270

STATION NAME: JOHNS AFB GA  
 LST TO UTC: + 8

| HOURS<br>(LST) | AIRWAY CLASS |           |          |          | TOTAL<br>PRECIPITATION | AT<br>1/1 |
|----------------|--------------|-----------|----------|----------|------------------------|-----------|
|                | CLEAR        | SCATTERED | MODERATE | OVERCAST |                        |           |
| 00-02          | 7.5          | 10.4      | 17.0     | 65.2     |                        | 73.1      |
| 03-05          | 33.4         | 21.7      | 17.0     | 25.3     | 1.3                    | 44.7      |
| 06-08          | 10.0         | 20.0      | 21.7     | 30.4     | 2.1                    | 44.2      |
| 09-11          | 10.0         | 20.2      | 24.0     | 30.2     | 1.1                    | 55.7      |
| 12-14          | 0.0          | 31.0      | 31.0     | 27.7     | .5                     | 54.7      |
| 15-17          | 0.0          | 33.7      | 30.0     | 26.0     | .5                     | 44.2      |
| 18-20          | 10.0         | 30.0      | 26.1     | 27.3     | .5                     | 54.7      |
| 21-23          | 00.1         | 20.0      | 10.0     | 27.4     | .4                     | 44.2      |
| ALL<br>PERIOD  | 17.0         | 20.7      | 20.0     | 27.0     | 1.0                    | 44.2      |

PRECEDENCE OF OCCURRENCE OF SKY COVER  
 MONTHLY OBSERVATIONS

1964

PERIOD OF RECORD: JUN 71 - MAY 84  
 MONTH: ALL MONTHS: ALL

SKY CLASSES

| SKY CLASS | TOTAL<br>OCCURRENCE | GT<br>1/2 | PARTIAL<br>OCCURRENCE | TOTAL<br>HRS |
|-----------|---------------------|-----------|-----------------------|--------------|
| 0         |                     | 73.1      |                       | 67           |
| 1         | 1.8                 | 44.2      | 4.1                   | 5027         |
| 2         | 2.1                 | 44.3      | 4.2                   | 10703        |
| 3         | 1.1                 | 55.7      | 3.3                   | 10747        |
| 4         | .8                  | 64.7      | 2.3                   | 10745        |
| 5         | .5                  | 67.8      | 3.5                   | 10743        |
| 6         | .6                  | 66.6      | 2.5                   | 10734        |
| 7         | .4                  | 43.5      | 2.4                   | 3067         |
| 8         | 1.0                 | 44.1      | 3.3                   | 67327        |



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PART I

TEMPERATURE AND RELATIVE HUMIDITY SUMMARY

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (IN THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, ARE SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTAL YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT (10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES WERE REPORTED ROUTINELY FROM HOURLY OBSERVATIONS IN ALL WEATHER DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. SEE PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY TEMPERATURES BY MONTH AND BY YEAR. MONTHLY TEMPERATURES ARE ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (\*) INDICATES WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AND WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURES FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (\*) INDICATES WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DRY POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH.
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATIONS. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR WHICH APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ADDITION "ENGINEERING WEATHER DATA," AND AWP 105-15, "METEOROLOGICAL DATA."

NOTE 1. WINTER WET BULB AND DRY POINT MEAN TEMPERATURES MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE, WET BULB TEMPERATURES ARE NOT REPORTED (FALLING). DRY POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB) ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME CASES MEAN WET BULB TEMPERATURES MAY ACTUALLY BE LOWER THAN SHOWN AS BULB TEMPERATURES.

## PART I

### RELATIVE HUMIDITY SUMMARIES

#### RELATIVE HUMIDITY OCCURRENCE FREQUENCY (PDF).

THE SUMMARY OF DAY DATA AND GIVE CUMULATIVE AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS FOR YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, TOTAL OBSERVATION COUNTS ARE GIVEN.

#### 1. 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES

2. OBSERVATIONS ON AND FORMS 10/10A TO 5PM AUTOMATED 1946-1947 STATIONS. REFER TO THE "STATION HISTORY" SECTION REPORTING PRACTICES.

DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN. MEANS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) AND/OR INCOMPLETE MONTHS.

DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, ALL YEARS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES MISSING AND/OR INCOMPLETE MONTHS.

#### POINT TEMPERATURES.

1. DAILY OBSERVATIONS--DATA IS SUMMARIZED:

2. TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

3. ALL HOURS COMBINED).

4. ALL DAYS COMBINED).

5. AND TOTAL OBSERVATION COUNTS ARE GIVEN.

6. MEAN TEMPERATURES FOR VARIOUS THRESHOLDS ALSO FOR SUMMARY AND IN ACCORDANCE WITH AFM 88-27, 8, 9, AND AWP 105-65, "METEOROLOGICAL TECHNIQUES."

7. POINT MEAN TEMPERATURES FOR VERY COLD STATIONS WHEN THE DRY BULB TEMPERATURE IS BELOW -30 DEGREES ARE NOT REPORTED (FMH-18). AS A RESULT, WINTER MEAN DAILY, WINTER MEAN NET BULB TEMPERATURES ARE NOT IN THE TABLES. IN SOME HYDRO GROUPS, IN FACT, THEY MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARY TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAY BE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURES. MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS:  $F = 1.8C + 32$

$C = K - 273.0$  (SINCE 1954)

$C = K - 273.2$  (SINCE 1954)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE OF RELATIVE HUMIDITY CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATIONS. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH DAY.
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW"  
IT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES  
OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES  
HAS.

$$F = 1.10 + 02$$

$$C = K - 273.0 \text{ (BEFORE 5 APRIL 77)}$$

$$C = K - 273.2 \text{ (SINCE 5 APRIL 77)}$$

PERCENT OCCURRENCE FREQUENCY (POF).  
ATIONS, THESE TABLES GIVE POF OF RELATIVE  
ETS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED.  
FOLLOWING:

TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

AND ALL HOURS COMBINED).

AND ALL HOURS COMBINED).

OPERATING LOCATION: 1A  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM SUMMARY

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: +05

| TEMP<br>(DEG-F) | JAN  | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   |
|-----------------|------|-------|-------|-------|-------|-------|-------|-------|
| GE 100          |      |       |       |       |       | .2    | 1.1   | 1.3   |
| GE 95           |      |       |       |       |       | 3.7   | 9.0   | 12.7  |
| GE 90           |      |       |       | .2    | 2.4   | 13.8  | 40.1  | 51.1  |
| GE 85           |      |       | .2    | 3.3   | 22.9  | 58.7  | 77.6  | 81.1  |
| GE 80           |      |       | 3.0   | 19.7  | 52.5  | 80.5  | 94.1  | 95.1  |
| GE 75           | .7   | 1.7   | 12.1  | 41.7  | 75.3  | 95.6  | 98.5  | 99.1  |
| GE 70           | 2.7  | 3.3   | 25.7  | 52.0  | 71.8  | 93.4  | 99.7  | 99.9  |
| GE 65           | 10.7 | 20.6  | 43.3  | 79.0  | 95.8  | 99.7  | 100.0 | 100.0 |
| GE 60           | 21.4 | 35.4  | 50.4  | 89.8  | 99.0  | 100.0 |       | 100.0 |
| GE 55           | 35.5 | 51.1  | 76.5  | 96.0  | 100.0 |       |       |       |
| GE 50           | 52.1 | 67.3  | 87.3  | 99.0  |       |       |       |       |
| GE 45           | 67.7 | 80.0  | 93.5  | 99.9  |       |       |       |       |
| GE 40           | 81.1 | 89.5  | 97.9  | 99.9  |       |       |       |       |
| GE 35           | 92.0 | 95.5  | 99.5  | 100.0 |       |       |       |       |
| GE 30           | 95.0 | 97.5  | 99.9  |       |       |       |       |       |
| GE 25           | 97.2 | 99.5  | 99.9  |       |       |       |       |       |
| GE 20           | 99.0 | 99.7  | 99.9  |       |       |       |       |       |
| GE 15           | 99.5 | 99.9  | 100.0 |       |       |       |       |       |
| GE 10           | 99.9 | 100.0 |       |       |       |       |       |       |

|           |       |       |       |      |      |      |      |      |
|-----------|-------|-------|-------|------|------|------|------|------|
| MEAN      | 50.0  | 54.4  | 51.0  | 71.5 | 79.0 | 85.2 | 87.9 | 88.1 |
| SD        | 11.05 | 10.97 | 10.70 | 3.59 | 5.82 | 5.84 | 5.27 | 5.20 |
| TOTAL OBS | 1243  | 1147  | 1302  | 1250 | 1302 | 1230 | 1221 | 1224 |

STAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STAGE 6A

PERIOD OF RECORD: 4502-2305

MONTH: ALL HOURS: ALL

| MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN   |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|       | .2    | 1.1   | .4    |       |       |       |       | .1    |
|       | 3.7   | 2.0   | 5.7   | .7    | .1    |       |       | 1.6   |
| 2.1   | 23.2  | 40.1  | 31.1  | 9.4   | .3    |       |       | 3.2   |
| 22.2  | 51.7  | 77.6  | 71.2  | 35.2  | 3.3   |       |       | 22.6  |
| 32.4  | 55.6  | 74.1  | 63.6  | 64.6  | 15.1  | 1.2   |       | 35.5  |
| 55.3  | 75.9  | 91.4  | 75.6  | 82.2  | 41.2  | 7.5   | .3    | 45.2  |
| 71.4  | 93.4  | 99.7  | 89.4  | 92.5  | 64.5  | 22.2  | 4.2   | 55.0  |
| 94.3  | 99.7  | 100.0 | 99.9  | 97.6  | 81.3  | 42.2  | 15.2  | 65.6  |
| 99.0  | 100.0 |       | 100.0 | 99.7  | 93.3  | 62.4  | 22.2  | 74.3  |
| 100.0 |       |       |       | 99.7  | 93.3  | 76.0  | 43.0  | 91.5  |
|       |       |       |       | 100.0 | 99.4  | 87.6  | 62.1  | 87.3  |
|       |       |       |       |       | 100.0 | 94.6  | 73.6  | 93.0  |
|       |       |       |       |       |       | 93.6  | 91.7  | 96.6  |
|       |       |       |       |       |       | 98.6  | 97.1  | 98.7  |
|       |       |       |       |       |       | 99.3  | 98.9  | 99.2  |
|       |       |       |       |       |       | 99.7  | 99.7  | 99.6  |
|       |       |       |       |       |       | 99.9  | 99.9  | 99.9  |
|       |       |       |       |       |       | 100.0 | 100.0 | 100.0 |
|       |       |       |       |       |       | 100.0 | 100.0 | 100.0 |

|      |      |      |      |      |      |      |      |       |
|------|------|------|------|------|------|------|------|-------|
| 77.1 | 66.2 | 67.2 | 65.0 | 61.2 | 71.8 | 61.5 | 63.1 | 70.3  |
| 1.22 | 5.84 | 5.27 | 5.06 | 7.03 | 7.30 | 9.62 | 9.90 | 15.72 |
| 1202 | 1230 | 1221 | 1224 | 1230 | 1260 | 1230 | 1223 | 14061 |



OPERATING LOCATION: 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM JANUARY TO

STATION NUMBER: 722270

STATION NAME: GIBBINS AFB GA  
LST TO UTC: +05

| TEMP<br>(DEG-F) | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| GE 80           |       |       |       |       |       |       | .2    | .1    |
| GE 75           |       |       |       |       |       | 1.5   | 7.5   | 3.1   |
| GE 70           |       |       |       | .1    | 1.3   | 25.5  | 57.2  | 43.7  |
| GE 65           |       |       | .2    | 1.9   | 13.2  | 58.5  | 83.4  | 77.4  |
| GE 60           | .2    | .2    | 2.5   | 13.3  | 52.7  | 67.1  | 89.1  | 91.7  |
| GE 55           | 2.5   | 3.3   | 10.4  | 32.7  | 73.3  | 87.5  | 99.7  | 100.0 |
| GE 50           | 5.5   | 9.3   | 21.9  | 54.2  | 82.5  | 95.8  | 100.0 |       |
| GE 45           | 13.0  | 17.0  | 38.2  | 71.5  | 95.3  | 100.0 |       |       |
| GE 40           | 24.9  | 30.4  | 53.0  | 86.3  | 99.6  |       |       |       |
| GE 35           | 41.0  | 47.3  | 73.2  | 95.6  | 100.0 |       |       |       |
| GE 30           | 48.5  | 54.4  | 80.0  | 93.7  |       |       |       |       |
| GE 25           | 51.3  | 71.4  | 90.0  | 93.6  |       |       |       |       |
| GE 20           | 79.0  | 86.1  | 97.4  | 100.0 |       |       |       |       |
| GE 15           | 89.7  | 93.9  | 99.4  |       |       |       |       |       |
| GE 10           | 95.7  | 98.1  | 99.8  |       |       |       |       |       |
| GE 5            | 98.0  | 99.3  | 100.0 |       |       |       |       |       |
| GE 0            | 99.8  | 100.0 |       |       |       |       |       |       |
| GE -5           | 100.0 |       |       |       |       |       |       |       |

|           |       |      |      |      |      |      |      |      |
|-----------|-------|------|------|------|------|------|------|------|
| MEAN      | 32.5  | 34.7 | 41.4 | 47.2 | 54.5 | 60.1 | 64.6 | 67.7 |
| SD        | 10.53 | 7.90 | 7.10 | 7.41 | 6.77 | 4.93 | 3.55 | 3.70 |
| TOTAL OBS | 1233  | 1187 | 1302 | 1250 | 1302 | 1230 | 1221 | 1214 |

# STAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT FROM SUMMARY OF DAY DATA

LAKE TAHOE

PERIOD OF RECORD: 1899-1955

MONTH: ALL HOURS: ALL

| MAY  | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANN   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |       | .2    | .1    |       |       |       |       | .0    |
|      | 1.5   | 7.5   | 3.5   |       |       |       |       | 1.1   |
| 1.5  | 28.5  | 57.2  | 48.8  | 16.2  | .7    |       |       | 12.4  |
| 13.7 | 58.5  | 85.4  | 57.4  | 46.2  | 5.1   | .7    | .2    | 26.5  |
| 25.7 | 68.1  | 99.1  | 93.2  | 71.0  | 18.5  | 5.3   | 1.3   | 37.2  |
| 38.3 | 77.5  | 99.9  | 100.0 | 88.2  | 35.7  | 11.4  | 4.2   | 46.6  |
| 50.5 | 89.5  | 100.0 |       | 97.1  | 57.7  | 23.3  | 8.9   | 55.6  |
| 62.4 | 100.0 |       |       | 99.5  | 75.6  | 37.0  | 16.4  | 63.9  |
| 74.6 |       |       |       | 99.8  | 90.2  | 54.5  | 30.6  | 72.6  |
| 86.7 |       |       |       | 99.9  | 97.4  | 73.1  | 48.4  | 81.5  |
|      |       |       |       | 100.0 | 98.6  | 79.9  | 55.4  | 85.1  |
|      |       |       |       |       | 99.5  | 90.1  | 57.7  | 90.2  |
|      |       |       |       |       | 99.9  | 97.2  | 87.3  | 95.6  |
|      |       |       |       |       | 100.0 | 99.1  | 95.5  | 98.2  |
|      |       |       |       |       |       | 99.8  | 98.9  | 99.4  |
|      |       |       |       |       |       | 99.9  | 99.8  | 99.7  |
|      |       |       |       |       |       | 99.9  | 99.9  | 99.9  |
|      |       |       |       |       |       | 100.0 | 99.9  | 100.0 |
|      |       |       |       |       |       |       | 100.0 | 100.0 |

|      |      |      |      |      |      |      |      |       |
|------|------|------|------|------|------|------|------|-------|
| 50.5 | 55.1 | 59.3 | 55.9 | 52.5 | 51.1 | 41.4 | 38.0 | 51.0  |
| 6.77 | 4.63 | 3.55 | 3.75 | 5.35 | 5.72 | 9.95 | 9.93 | 15.56 |
| 1207 | 1239 | 1221 | 1224 | 1230 | 1259 | 1213 | 1223 | 14251 |

OPERATING LOCATION: MA  
USAF TAC, ARMYVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM JANUARY 1955

STATION NUMBER: 722270 STATION NAME: GORDINS AFB GA  
EST TO UTC: +05

| TEMP<br>(DLS-F) | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 95              |       |       |       |       |       |       | .2    | .1    |
| 90              |       |       |       |       |       | 3.3   | 7.4   | 8.5   |
| 85              |       |       |       |       | 1.2   | 21.5  | 44.3  | 34.7  |
| 80              |       |       | .1    | 1.0   | 17.3  | 55.9  | 83.6  | 95.7  |
| 75              |       |       | 1.7   | 12.1  | 52.3  | 70.5  | 88.7  | 97.8  |
| 70              | .3    | .8    | 3.9   | 38.9  | 77.9  | 90.7  | 98.9  | 100.0 |
| 65              | 4.2   | 5.3   | 22.3  | 53.1  | 82.2  | 94.1  | 100.0 | 100.0 |
| 60              | 10.8  | 15.6  | 30.3  | 78.3  | 98.5  | 100.0 |       |       |
| 55              | 19.9  | 31.3  | 59.3  | 92.2  | 100.0 |       |       |       |
| 50              | 34.7  | 51.9  | 73.7  | 90.4  |       |       |       |       |
| 45              | 7.7   | 71.4  | 91.4  | 99.1  |       |       |       |       |
| 40              | 75.2  | 95.2  | 97.2  | 100.0 |       |       |       |       |
| 35              | 92.3  | 99.3  | 99.9  |       |       |       |       |       |
| 30              | 99.1  | 99.7  | 99.9  |       |       |       |       |       |
| 25              | 99.7  | 99.9  | 99.9  |       |       |       |       |       |
| 20              | 99.9  | 99.9  | 99.9  |       |       |       |       |       |
| 15              | 99.9  | 99.9  | 100.0 |       |       |       |       |       |
| 10              | 99.9  | 100.0 |       |       |       |       |       |       |
| 5               | 100.0 |       |       |       |       |       |       |       |

|           |       |      |      |      |      |      |      |      |
|-----------|-------|------|------|------|------|------|------|------|
| MEAN      | 41.5  | 44.2 | 51.5 | 59.9 | 69.6 | 77.2 | 79.8 | 77.1 |
| SD        | 16.00 | 9.45 | 9.19 | 7.41 | 5.34 | 4.70 | 3.70 | 3.74 |
| TOTAL OBS | 1205  | 1137 | 1302 | 1263 | 1302 | 1230 | 1221 | 1401 |

PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN PARCENTRIT  
 1931-1947 OF DAY DATA

PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN PARCENTRIT  
 MONTHS: ALL HOURS: ALL

| MAY  | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ALL   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |       | .2    | .2    |       |       |       |       | .2    |
|      | 0.0   | 7.3   | 3.2   | .2    |       |       |       | 1.0   |
| 1.2  | 21.0  | 44.3  | 34.7  | 1.0   | .3    |       |       | 0.0   |
| 17.3 | 58.0  | 80.6  | 55.2  | 40.7  | 2.7   |       |       | 24.0  |
| .0   | 0.0   | 0.0   | 0.0   | 71.4  | 14.7  | 1.2   | .2    | 30.4  |
| 12.7 | 6.7   | 0.0   | 0.7   | 0.0   | 35.1  | 7.5   | 1.4   | 40.1  |
| 0.0  | 0.0   | 100.0 | 100.0 | 27.7  | 0.2   | 10.1  | 0.2   | 00.0  |
| 0.0  | 100.0 |       |       | 00.0  | 00.0  | 34.1  | 14.1  | 55.1  |
| 0.0  |       |       |       | 99.3  | 05.3  | 50.2  | 24.7  | 73.0  |
|      |       |       |       | 100.0 | 00.0  | 77.7  | 45.2  | 02.4  |
|      |       |       |       |       | 0.0   | 21.0  | 50.0  | 00.1  |
|      |       |       |       |       | 100.0 | 07.0  | 00.0  | 00.0  |
|      |       |       |       |       |       | 00.0  | 00.1  | 00.0  |
|      |       |       |       |       |       | 00.0  | 00.7  | 00.0  |
|      |       |       |       |       |       | 00.0  | 00.0  | 00.0  |
|      |       |       |       |       |       | 00.0  | 00.0  | 00.0  |
|      |       |       |       |       |       | 00.0  | 00.0  | 00.0  |
|      |       |       |       |       |       | 100.0 | 100.0 | 100.0 |
|      |       |       |       |       |       |       |       | 100.0 |

|     |     |      |      |      |      |      |      |       |
|-----|-----|------|------|------|------|------|------|-------|
| 0.0 | 0.0 | 70.1 | 70.1 | 72.2 | 51.7 | 11.7 | 04.0 | 00.0  |
| 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 15.17 |
| 0.0 | 0.0 | 1221 | 1220 | 1220 | 1220 | 1220 | 1220 | 14001 |

OPERATING LOCATION: 111  
USAF TAC, ASHEVILLE, NC

MONTHLY MAXIMUM TEMPERATURES IN °F  
FROM 1946 TO 1970

STATION NUMBER: 72102

STATION NAME: WISCONSIN AFB IN  
EST. TIME: +05

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL |
|------|-----|-----|-----|-----|-----|-----|-----|
| 46   |     |     |     |     |     |     |     |
| 47   | 70  | 71  | 60  | 65  | 60  | 74  | 100 |
| 48   | 64  | 77  | 64  | 65  | 70  | 74  | 111 |
| 49   | 77  | 76  | 61  | 62  | 69  | 70  | 75  |
| 50   | 76  | 71  | 60  | 64  | 69  | 76  | 98  |
| 51   | 68  | 75  | 60  | 60  | 61  | 77  | 76  |
| 52   | 73  | 76  | 60  | 64  | 69  | 100 | 100 |
| 53   | 69  | 67  | 70  | 75  | 64  | 70  | 77  |
| 54   | 69  | 76  | 60  | 66  | 71  | 100 | 77  |
| 55   | 60  | 70  | 61  | 60  | 69  | 72  | 70  |
| 56   | 67  | 73  | 70  | 66  | 70  | 74  | 76  |
| 57   | 73  | 76  | 72  | 76  | 60  | 76  | 76  |
| 58   | 61  | 64  | 60  | 64  | 64  | 96  | 70  |
| 59   | 60  | 73  | 77  | 63  | 60  | 67  | 67  |
| 60   | 70  | 70  | 76  | 67  | 71  | 68  | 60  |
| 61   | 68  | 73  | 77  | 63  | 66  | 70  | 66  |
| 62   | 63  | 77  | 74  | 66  | 74  | 70  | 66  |
| 63   | 63  | 66  | 74  | 65  | 66  | 74  | 76  |
| 64   | 60  | 60  | 77  | 65  | 69  | 70  | 66  |
| 65   | 60  | 74  | 76  | 65  | 66  | 76  | 66  |
| 66   | 60  | 67  | 70  | 63  | 60  | 70  | 66  |
| 67   | 74  | 72  | 70  | 66  | 60  | 60  | 66  |
| 68   | 60  | 60  | 60  | 63  | 63  | 60  | 63  |
| 69   | 67  | 66  | 76  | 61  | 60  | 67  | 66  |
| 70   | 60  | 66  | 74  | 64  | 64  | 60  | 67  |
| 71   | 60  | 60  | 67  | 60  | 64  | 64  | 60  |
| 72   | 60  | 74  | 70  | 66  | 66  | 60  | 66  |
| 73   | 60  | 71  | 66  | 60  | 66  | 63  | 66  |
| 74   | 71  | 73  | 64  | 65  | 66  | 60  | 60  |
| 75   | 70  | 73  | 70  | 64  | 91  | 60  | 60  |
| 76   | 64  | 77  | 61  | 66  | 67  | 60  | 66  |
| 77   | 66  | 70  | 70  | 64  | 70  | 66  | 100 |
| 78   | 61  | 67  | 61  | 64  | 63  | 66  | 64  |
| 79   | 63  | 71  | 77  | 61  | 67  | 60  | 64  |
| 80   | 62  | 76  | 76  | 60  | 66  | 61  | 100 |

# AIR TEMPERATURES IN HARBORWATER SUMMARY OF MAY DATA

1951

PERIOD OF RECORD: 4500-7300  
MONTH: ALL YEARS: ALL

| MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----|-----|-----|-----|-----|-----|-----|-----|--------|
|     |     |     |     | 91  | 91  | 91  | 70  | 91*    |
|     | 84  | 85* |     |     |     |     |     | 84*    |
| 20  | 90  | 101 | 98  | 91  | 89  | 89  | 71  | 101    |
| 21  | 90  | 96  | 93  | 92  | 84  | 76  | 72  | 96     |
| 22  | 95  | 95  | 90  | 92  | 84  | 91  | 68  | 96     |
| 23  | 95  | 96  | 98  | 99  | 92  | 71  | 75  | 94     |
| 24  | 100 | 102 | 97  | 99  | 96  | 73  | 64  | 102    |
| 25  | 99  | 97  | 97  | 99  | 95  | 76  | 68  | 99     |
| 26  | 100 | 99  | 100 | 99  | 95  | 75  | 68  | 100    |
| 27  | 92  | 98  | 94  | 98  | 95  | 79  | 70  | 98     |
| 28  | 94  | 95  | 98  | 93  | 91  | 79  | 74  | 95     |
| 29  | 95  | 94  | 97  | 97  | 76  | 77  | 69  | 97     |
| 30  | 96  | 92  | 90  | 91  | 93  | 91  | 69  | 96     |
| 31  | 97  | 97  | 97  | 96  | 97  | 76  | 66  | 97     |
| 32  | 98  | 96  | 93  | 93  | 96  | 74  | 67  | 98     |
| 33  | 93  | 93  | 94  | 93  | 96  | 93  | 72  | 94     |
| 34  | 97  | 96  | 91  | 93  | 94  | 93  | 70  | 94     |
| 35  | 94  | 97* | 91* | 92  | 94  | 74  | 62  | 94*    |
| 36  | 91  | 91  | 91  | 91  | 79  | 76  | 70  | 91     |
| 37  | 95  | 91  | 96  | 95  | 91  | 72  | 65  | 94     |
| 38  | 92  | 96  | 94  | 99  | 72  | 73  | 71  | 96     |
| 39  | 90  | 95  | 97  | 94  | 94  | 71  | 69  | 92     |
| 40  | 99  | 93  | 97  | 95  | 93  | 92  | 61  | 97     |
| 41  | 97  | 96  | 99  | 93  | 96  | 71  | 69  | 97     |
| 42  | 92  | 97  | 91  | 91  | 96  | 72  | 73  | 97     |
| 43  | 94  | 99  | 99  | 99  | 96  | 79  | 76  | 94     |
| 44  | 91  | 96  | 91  | 92  | 93  | 90  | 76  | 96     |
| 45  | 93  | 96  | 91  | 92  | 94  | 73  | 62  | 96     |
| 46  | 99  | 92  | 91  | 90  | 90  | 91  | 72  | 92     |
| 47  | 92  | 99  | 93  | 95  | 95  | 73  | 71  | 95     |
| 48  | 99  | 96  | 99  | 96  | 91  | 71  | 67* | 96*    |
| 49  | 96  | 101 | 92  | 96  | 96  | 71  | 73* | 101*   |
| 50  | 96  | 94  | 93  | 92  | 91  | 76  | 76* | 96*    |
| 51  | 92  | 94  | 96  | 99  | 76  | 73  | 70  | 96     |
| 52  | 91  | 102 | 99  | 94  | 95  | 74  | 70* | 102*   |

OPERATING LOCATION: 141  
USAFENTAC, ASH-MILLING

MONTHLY MAXIMUM TEMPERATURES IN FA  
FROM JANUARY 1951 TO 1958

STATION NUMBER: 721370

STATION NAME: DUBOIS AFB GA  
LST TO UTC: +05

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL |
|------|-----|-----|-----|-----|-----|-----|-----|
| 81   | 83  | 75  | 82  | 84  | 87  | 94  | 98  |
| 82   | 80  | 75  | 85  | 77  | 91  | 93  | 95  |
| 83   | 85  | 87  | 77  | 81  | 86  | 91  | 93  |
| 84   | 85  | 73  | 78  | 84  | 86  | 96  | 92  |
| 85   | 86  | 72  | 82  | 85  | 88  | 93  | 93  |
| 86   | 79  | 75  | 82  | 91  | 88  | 96  | 100 |
| 87   | 82  | 88  | 75  | 90  | 89  | 93  | 101 |
| 88   | 87  | 73  | 78  | 89  | 89  |     |     |

|            |      |      |      |      |      |      |      |
|------------|------|------|------|------|------|------|------|
| GREATEST   | 75   | 79   | 88   | 91   | 94   | 100  | 102  |
| TOTAL DAYS | 1293 | 1147 | 1302 | 1250 | 1302 | 1230 | 1201 |

THE GREATEST VALUE OF 104 OCCURRED ON 08/22/95

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 40%

MAXIMUM TEMPERATURES IN FAHRENHEIT  
 MONTHLY SUMMARY OF DAY DATA

AFW, GA

PERIOD OF RECORD: 4600-8605  
 MONTH: ALL HOURS: ALL

| MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 87  | 94  | 96  | 92  | 87  | 86  | 78  | 67* | 95*    |
| 81  | 83  | 83  | 81  | 80  | 87  | 81  | 74* | 93*    |
| 6   | 91  | 93  | 104 | 91  | 82  | 74  | 63* | 104*   |
| 88  | 94  | 92  | 89  | 89  | 85  | 71  | 74  | 96     |
| 84  | 88  | 93  | 91  | 88  | 84  | 70  | 69  | 88     |
| 8   | 86  | 100 | 92  | 90  | 87  | 81  | 67* | 100*   |
| 9   | 93  | 101 | 95  | 89  | 81  | 70  | 67* | 101*   |
| 8   |     |     |     |     |     |     |     | 108    |

|      |      |      |      |      |      |      |      |       |
|------|------|------|------|------|------|------|------|-------|
| 84   | 100  | 102  | 104  | 99   | 95   | 83   | 76   | 104   |
| 1222 | 1230 | 1221 | 1224 | 1230 | 1259 | 1230 | 1223 | 14951 |

COMPILED BY: 08/22/83

DATA WITH LESS THAN 90% IS THE DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION: ASH  
USAF TAG, ASHVILLE, NC

MONTHLY MINIMUM TEMPERATURES IN FAH-  
RENHEIT SUMMARY OF DAY DATA

STATION NUMBER: 722270 STATION NAME: DUBBINS AFB GA  
LOT TO UTC: +05

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 46   |     |     |     |     |     |     |     |     |
| 47   | 19  | 13  | 22  | 34  | 40  | 50  | 57  |     |
| 48   | 10  | 24  | 27  | 36  | 45  | 55  | 63  |     |
| 49   | 25  | 25  | 23  | 31  | 51  | 54  | 55  |     |
| 50   | 25  | 23  | 24  | 13  | 55  | 55  | 59  |     |
| 51   | 20  | 7   | 26  | 33  | 44  | 55  | 57  |     |
| 52   | 15  | 25  | 29  | 22  | 40  | 53  | 55  |     |
| 53   | 22  | 25  | 31  | 32  | 50  | 52  | 59  |     |
| 54   | 19  | 23  | 25  | 35  | 46  | 55  | 55  |     |
| 55   | 18  | 12  | 15  | 34  | 50  | 55  | 51  |     |
| 56   | 21  | 30  | 24  | 32  | 44  | 45  | 50  |     |
| 57   | 16  | 25  | 31  | 35  | 41  | 59  | 51  |     |
| 58   | 16  | 2   | 35  | 34  | 41  | 58  | 57  |     |
| 59   | 10  | 21  | 25  | 35  | 45  | 53  | 54  |     |
| 60   | 13  | 19  | 19  | 24  | 39  | 54  | 58  |     |
| 61   | 2   | 21  | 21  | 33  | 35  | 54  | 52  |     |
| 62   | 7   | 19  | 24  | 31  | 40  | 57  | 55  |     |
| 63   | 24  | 7   | 23  | 37  | 34  | 59  | 63  |     |
| 64   | 13  | 13  | 22  | 34  | 51  | 59  | 55  |     |
| 65   | 2   | 15  | 19  | 35  | 52  | 57  | 55  |     |
| 66   | 23  | 17  | 21  | 33  | 40  | 51  | 55  |     |
| 67   | 21  | 7   | 25  | 35  | 39  | 52  | 54  |     |
| 68   | 15  | 14  | 23  | 35  | 45  | 52  | 55  |     |
| 69   | 2   | 23  | 21  | 35  | 43  | 55  | 55  |     |
| 70   | 3   | 9   | 22  | 35  | 45  | 54  | 55  |     |
| 71   | 15  | 16  | 23  | 24  | 38  | 53  | 45  |     |
| 72   | 4   | 19  | 28  | 33  | 45  | 45  | 52  |     |
| 73   | 15  | 19  | 33  | 31  | 44  | 52  | 55  |     |
| 74   | 30  | 15  | 30  | 33  | 44  | 52  | 55  |     |
| 75   | 19  | 22  | 23  | 35  | 52  | 50  | 55  |     |
| 76   | 11  | 24  | 30  | 37  | 41  | 52  | 50  |     |
| 77   | 1   | 17  | 30  | 35  | 45  | 52  | 53  |     |
| 78   | 11  | 13  | 13  | 36  | 40  | 54  | 54  |     |
| 79   | 11  | 17  | 30  | 35  | 45  | 55  | 52  |     |
| 80   | 22  | 15  | 13  | 37  | 43  | 55  | 52  |     |

# MINIMUM TEMPERATURES IN FAHRENHEIT MONTH SUMMARY OF DAY DATA

APR 64

PERIOD OF RECORD: 4609-5405

MONTH: ALL HOURS: ALL

| DAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1   |     |     |     | 52  | 35  | 23  | 23  | 23*    |
| 2   | 50  | 52* |     |     |     |     |     | 13*    |
| 3   | 55  | 53  | 57  | 52  | 31  | 30  | 19  | 16     |
| 4   | 54  | 55  | 54  | 33  | 45  | 23  | 20  | 20     |
| 5   | 55  | 59  | 53  | 45  | 43  | 4   | 18  | 4      |
| 6   |     |     |     |     |     |     |     |        |
| 7   | 55  | 57  | 50  | 51  | 35  | 18  | 11  | 7      |
| 8   | 53  | 55  | 54  | 51  | 23  | 25  | 20  | 15     |
| 9   | 52  | 52  | 54  | 44  | 33  | 24  | 13  | 13     |
| 10  | 50  | 53  | 53  | 45  | 23  | 22  | 22  | 19     |
| 11  | 53  | 51  | 52  | 57  | 33  | 19  | 15  | 12     |
| 12  |     |     |     |     |     |     |     |        |
| 13  | 45  | 50  | 50  | 49  | 51  | 21  | 27  | 21     |
| 14  | 53  | 51  | 50  | 47  | 30  | 25  | 9   | 9      |
| 15  | 54  | 50  | 50  | 49  | 39  | 25  | 19  | 2      |
| 16  | 50  | 54  | 55  | 52  | 35  | 20  | 22  | 10     |
| 17  | 52  | 55  | 55  | 51  | 37  | 20  | 10  | 10     |
| 18  |     |     |     |     |     |     |     |        |
| 19  | 54  | 52  | 50  | 47  | 29  | 23  | 19  | 9      |
| 20  | 57  | 55  | 52  | 43  | 23  | 25  | -1  | -1     |
| 21  | 50  | 53* | 51* | 48  | 30  | 25  | 10  | -4*    |
| 22  | 54  | 53  | 57  | 49  | 34  | 19  | 17  | 13     |
| 23  | 57  | 55  | 50  | 49  | 27  | 24  | 19  | 9      |
| 24  |     |     |     |     |     |     |     |        |
| 25  | 51  | 55  | 52  | 53  | 37  | 24  | 20  | -3     |
| 26  | 52  | 54  | 50  | 33  | 31  | 23  | 20  | 7      |
| 27  | 52  | 55  | 55  | 52  | 31  | 25  | 17  | 14     |
| 28  | 55  | 55  | 53  | 49  | 37  | 18  | 21  | 9      |
| 29  | 54  | 55  | 55  | 50  | 35  | 14  | 19  | 3      |
| 30  |     |     |     |     |     |     |     |        |
| 31  | 53  | 55  | 53  | 50  | 43  | 30  | 25  | 10     |
| 32  | 55  | 52  | 52  | 50  | 35  | 24  | 15  | 9      |
| 33  | 52  | 55  | 52  | 54  | 41  | 25  | 18  | 15     |
| 34  | 52  | 55  | 55  | 61  | 34  | 25  | 24  | 15     |
| 35  | 50  | 55  | 55  | 52  | 39  | 30  | 17  | 17     |
| 36  |     |     |     |     |     |     |     |        |
| 37  | 52  | 59  | 59  | 49  | 31  | 19  | 14* | 11*    |
| 38  | 52  | 53  | 56  | 57  | 35  | 25  | 13* | 1*     |
| 39  | 54  | 53  | 55  | 50  | 37  | 35  | 21* | 11*    |
| 40  | 55  | 52  | 53  | 57  | 37  | 23  | 20  | 11     |
| 41  | 55  | 52  | 54  | 55  | 39  | 29  | 25* | 13*    |

OPERATING LOCATION: 141  
USAFRTAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAH-  
RENHEIT SUMMARY OF DAY DATA

STATION NUMBER: 722272 STATION NAME: DRYING AREA 3A  
LST TO UTC: +05

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL |
|------|-----|-----|-----|-----|-----|-----|-----|
| 81   | 12  | 12  | 32  | 43  | 45  | 54  | 55  |
| 82   | 5   | 24  | 39  | 33  | 41  | 54  | 54  |
| 83   | 22  | 21  | 32  | 39  | 47  | 53  | 55  |
| 84   | 14  | 23  | 26  | 34  | 44  | 51  | 52  |
| 85   | -3  | 20  | 31  | 35  | 50  | 52  | 52  |
| 86   | 6   | 19  | 25  | 35  | 44  | 57  | 57  |
| 87   | 15  | 25  | 34  | 26  | 51  | 51  | 57  |
| 88   | 19  | 17  | 26  | 41  | 45  |     |     |

|           |      |      |      |      |      |      |      |
|-----------|------|------|------|------|------|------|------|
| LEAST     | -4   | 2    | 10   | 23   | 35   | 45   | 4    |
| TOTAL DRS | 1222 | 1137 | 1332 | 1250 | 1392 | 1282 | 1221 |

THE LEAST VALUE OF -4 OCCURRED ON 01/04/83

NOTE: THE VALUE IS BASED ON A MONTH WITH LESS THAN 21.0"

1. TEMPERATURES IN FAHRENHEIT  
 2. SUMMARY OF GAY DATA

AREA 3A

PERIOD OF RECORD: 4500-5000  
 MONTH: ALL HOURS: ALL

| MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 45  | 34  | 28  | 31  | 43  | 36  | 31  | 19* | 12*    |
| 47  | 33  | 26  | 25  | 31  | 42  | 33  | 26* | 18*    |
| 47  | 33  | 26  | 25  | 45  | 40  | 31  | 14* | 14*    |
| 44  | 21  | 22  | 22  | 22  | 40  | 29  | 17  | 14     |
| 44  | 22  | 22  | 20  | 40  | 43  | 35  | 12  | -3     |
| 44  | 27  | 26  | 22  | 31  | 44  | 31  | 27* | 18*    |
| 41  | 21  | 15  | 14  | 13  | 34  | 30  | 27* | 15*    |
| 41  |     |     |     |     |     |     |     | 17*    |

|      |      |      |      |      |      |      |       |
|------|------|------|------|------|------|------|-------|
| 40   | 24   | 25   | 33   | 23   | 4    | -1   | -4    |
| 1230 | 1221 | 1224 | 1230 | 1239 | 1230 | 1223 | 14261 |

11/14/50 01/24/53

DATA WITH LESS THAN 25% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION: JAS  
JMS-120, ASHBYVILLE, NC

MONTHLY MEAN TEMPERATURE IN DEGREES  
FARHEIT, JANUARY 1970 - 1979

STATION NUMBER: 702270

STATION NAME: JAS, N.C. 27551  
EST. TO UTC: +05

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL |  |
|------|-----|-----|-----|-----|-----|-----|-----|--|
| 45   |     |     |     |     |     |     |     |  |
| 47   | 44  | 37  | 44  | 52  | 57  | 74  | 74  |  |
| 48   | 35  | 47  | 54  | 54  | 60  | 77  |     |  |
| 49   | 35  | 50  | 55  | 58  | 70  | 75  | 73  |  |
| 50   | 34  | 45  | 43  | 55  | 71  | 77  | 75  |  |
| 51   | 43  | 45  | 52  | 59  | 54  | 77  | 74  |  |
| 52   | 41  | 45  | 50  | 53  | 70  | 61  | 61  |  |
| 53   | 45  | 47  | 54  | 59  | 75  | 73  | 73  |  |
| 54   | 44  | 40  | 52  | 55  | 66  | 77  | 61  |  |
| 55   | 42  | 45  | 54  | 54  | 71  | 70  | 75  |  |
| 56   | 40  | 45  | 52  | 50  | 71  | 75  | 73  |  |
| 57   | 45  | 52  | 50  | 53  | 70  | 77  | 75  |  |
| 58   | 37  | 35  | 47  | 50  | 70  | 75  | 75  |  |
| 59   | 45  | 45  | 50  | 61  | 71  | 75  | 73  |  |
| 60   | 43  | 43  | 40  | 52  | 57  | 77  | 75  |  |
| 61   | 38  | 41  | 54  | 55  | 57  | 77  | 75  |  |
| 62   | 41  | 40  | 47  | 57  | 75  | 75  | 75  |  |
| 63   | 35  | 35  | 55  | 53  | 75  | 74  | 75  |  |
| 64   | 40  | 33  | 50  | 51  | 70  | 75  | 75  |  |
| 65   | 40  | 43  | 45  | 53  | 70  | 73  | 77  |  |
| 66   | 37  | 44  | 50  | 51  | 55  | 75  | 73  |  |
| 67   | 45  | 44  | 53  | 55  | 75  | 70  | 75  |  |
| 68   | 35  | 37  | 51  | 51  | 55  | 75  | 75  |  |
| 69   | 30  | 42  | 45  | 51  | 67  | 75  | 70  |  |
| 70   | 35  | 44  | 50  | 53  | 59  | 74  | 70  |  |
| 71   | 42  | 42  | 40  | 55  | 55  | 75  | 77  |  |
| 72   | 45  | 44  | 52  | 50  | 55  | 75  | 75  |  |
| 73   | 42  | 45  | 55  | 59  | 57  | 77  | 75  |  |
| 74   | 30  | 47  | 50  | 51  | 71  | 70  | 75  |  |
| 75   | 45  | 40  | 50  | 51  | 70  | 75  | 75  |  |
| 76   | 34  | 52  | 55  | 51  | 55  | 74  | 75  |  |
| 77   | 31  | 44  | 55  | 54  | 70  | 70  | 75  |  |
| 78   | 33  | 33  | 50  | 52  | 54  | 77  | 75  |  |
| 79   | 35  | 41  | 55  | 51  | 70  | 75  | 75  |  |
| 80   | 43  | 40  | 45  | 52  | 70  | 75  | 75  |  |

1. NAME OF THE PATENT: 1. NAME OF THE  
 2. NUMBER OF THE PATENT: 2. NUMBER OF THE

3. NAME OF THE

4. NAME OF THE INVENTOR: 4. NAME OF THE  
 5. NAME OF THE INVENTOR: 5. NAME OF THE

| MAY | JUN | JUL  | AUG  | SEP | OCT | NOV | DEC | TOTAL |
|-----|-----|------|------|-----|-----|-----|-----|-------|
| 2   | 24  | 220  |      | 73  | 31  | 45  | 45  | 508   |
| 3   | 22  | 3    | 21   | 71  | 30  | 43  | 42  | 512   |
| 23  | 75  | 70   | 72   | 69  | 35  | 44  | 44  | 523   |
| 21  | 77  | 75   | 7    | 70  | 34  | 47  | 43  | 521   |
| 2   | 22  | 23   | 1    | 74  | 36  | 41  | 41  | 521   |
| 4   | 21  | 1    | 23   | 73  | 37  | 40  | 42  | 521   |
| 22  | 73  | 74   | 71   | 72  | 38  | 41  | 41  | 521   |
| 24  | 77  | 1    | 1    | 75  | 39  | 42  | 42  | 521   |
| 21  | 71  | 75   | 61   | 74  | 38  | 43  | 42  | 521   |
| 21  | 71  | 73   | 74   | 71  | 33  | 44  | 42  | 522   |
| 7   | 22  | 7    | 73   | 73  | 37  | 41  | 41  | 522   |
| 7   | 75  | 7    | 71   | 71  | 37  | 41  | 42  | 524   |
| 21  | 76  | 73   | 7    | 73  | 34  | 47  | 41  | 524   |
| 27  | 77  | 6    | 71   | 73  | 34  | 41  | 41  | 524   |
| 24  | 74  | 7    | 77   | 73  | 37  | 45  | 44  | 524   |
| 24  | 71  | 71   | 71   | 71  | 38  | 41  | 41  | 524   |
| 24  | 74  | 7400 | 7400 | 71  | 38  | 41  | 41  | 7400  |
| 21  | 74  | 78   | 71   | 72  | 38  | 41  | 41  | 740   |
| 23  | 73  | 77   | 77   | 72  | 37  | 43  | 41  | 740   |
| 20  | 76  | 73   | 75   | 71  | 37  | 41  | 41  | 740   |
| 20  | 77  | 74   | 73   | 73  | 37  | 47  | 41  | 740   |
| 20  | 75  | 75   | 75   | 71  | 31  | 49  | 41  | 740   |
| 22  | 76  | 77   | 78   | 71  | 32  | 44  | 47  | 740   |
| 22  | 74  | 73   | 73   | 77  | 34  | 41  | 41  | 741   |
| 20  | 75  | 77   | 7    | 73  | 37  | 41  | 42  | 741   |
| 20  | 71  | 74   | 77   | 75  | 32  | 42  | 45  | 741   |
| 27  | 77  | 73   | 77   | 78  | 33  | 45  | 41  | 742   |
| 21  | 72  | 75   | 77   | 72  | 31  | 32  | 46  | 742   |
| 23  | 75  | 73   | 73   | 71  | 33  | 34  | 45  | 743   |
| 20  | 74  | 71   | 77   | 73  | 35  | 47  | 42* | 743*  |
| 23  | 71  | 7    | 7    | 74  | 31  | 74  | 43* | 743*  |
| 20  | 77  | 73   | 75   | 75  | 32  | 37  | 45* | 743*  |
| 22  | 75  | 77   | 72   | 71  | 39  | 51  | 44  | 740   |
| 23  | 75  | 73   | 72   | 77  | 31  | 51  | 45* | 742*  |

OPERATIONAL DATA FOR  
HICATETAG, AND VILCO TAG

CONTINUED FROM PREVIOUS PAGE  
DATE: 10/10/77

STATION NUMBER: 701273 STATION NAME: HICATETAG AND VILCO  
EST. TO: 10/10/77

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL |
|------|-----|-----|-----|-----|-----|-----|-----|
| 61   | 40  | 47  | 51  | 55  | 55  | 79  | 1   |
| 62   | 39  | 47  | 52  | 54  | 72  | 75  |     |
| 63   | 42  | 45  | 51  | 58  | 58  | 74  |     |
| 64   | 41  | 47  | 52  | 53  | 58  | 72  | 75  |
| 65   | 39  | 45  | 52  | 54  | 73  | 77  | 75  |
| 66   | 42  | 47  | 53  | 51  | 72  | 75  |     |
| 67   | 42  | 48  | 54  | 53  | 72  | 75  |     |
| 68   | 39  | 45  | 52  | 52  | 69  |     |     |

|       |      |      |      |      |      |      |      |
|-------|------|------|------|------|------|------|------|
| YEAR  | 41.5 | 44.  | 51.5 | 57.0 | 63.  | 74.3 | 79.1 |
| TOTAL | 1055 | 1177 | 1302 | 1360 | 1347 | 1735 | 1712 |

END OF PAGE 10 OF 10 HICATETAG AND VILCO TAG

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REPORTING LOCATION: WCM  
USMC TAG, APO WHEELER, NC

DRY BULB TEMPERATURE: 30.0  
RELATIVE HUMIDITY: 55% AMI

STATION NUMBER: 322272 STATION NAME: DOWNS AFB, GA  
EST TO UTC: + 5

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN TEMPERATURE<br>LST |
|--------------|------|-----------------------|--------------|-------------------------|
| 00-02        | 33.0 | 7.101                 | 20           | 3                       |
| 03-05        | 34.3 | 7.523                 | 274          | 1                       |
| 06-08        | 33.0 | 7.612                 | 255          | 1                       |
| 09-11        | 37.0 | 7.356                 | 233          | 1                       |
| 12-14        | 44.3 | 7.926                 | 312          | 6                       |
| 15-17        | 46.4 | 10.256                | 31           | 1                       |
| 18-20        | 42.3 | 7.714                 | 214          | 1                       |
| 21-23        | 30.7 | 7.103                 | 81           | 1                       |
| ALL<br>HOURS | 40.3 | 10.203                | 2290         | 1                       |

|              |      |        |      |   |
|--------------|------|--------|------|---|
| 00-02        | 43.3 | 8.155  | 5    | 0 |
| 03-05        | 30.4 | 10.256 | 201  | 1 |
| 06-08        | 31.5 | 10.564 | 345  | 1 |
| 09-11        | 43.4 | 10.462 | 390  | 1 |
| 12-14        | 43.8 | 11.136 | 340  | 1 |
| 15-17        | 52.2 | 11.543 | 240  | 1 |
| 18-20        | 43.3 | 10.795 | 360  | 1 |
| 21-23        | 44.1 | 10.161 | 340  | 1 |
| ALL<br>HOURS | 43.7 | 11.740 | 5354 | 7 |

DAY-GLY TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

1954

PERIOD OF RECORD: JUN 73 - MAY 74  
 MONTH: JAN

MEAN NUMBER OF HOURS WITH TEMPERATURES 0-9 F TOTAL  
 0-9 10-32 33-65 66-87 88-93 40000

|   |     |    |   |   |      |
|---|-----|----|---|---|------|
| 0 | 0   | 0  | 0 | 0 | 20   |
| 1 | 103 | 0  | 0 | 0 | 274  |
| 2 | 370 | 0  | 0 | 0 | 135  |
| 3 | 224 | 0  | 0 | 0 | 113  |
| 4 | 23  | 10 | 0 | 0 | 853  |
| 5 | 0   | 21 | 0 | 0 | 543  |
| 6 | 124 | 0  | 0 | 0 | 144  |
| 7 | 212 | 0  | 0 | 0 | 541  |
| 8 | 100 | 34 | 0 | 0 | 5675 |

MONTH: FEB

|   |     |     |   |   |      |
|---|-----|-----|---|---|------|
| 0 | 0   | 0   | 0 | 0 | 0    |
| 1 | 12  | 0   | 0 | 0 | 211  |
| 2 | 243 | 2   | 0 | 0 | 349  |
| 3 | 135 | 7   | 0 | 0 | 549  |
| 4 | 12  | 77  | 0 | 0 | 649  |
| 5 | 29  | 135 | 0 | 0 | 349  |
| 6 | 53  | 52  | 0 | 0 | 849  |
| 7 | 117 | 3   | 0 | 0 | 549  |
| 8 | 713 | 275 | 0 | 0 | 5264 |

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE, NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRIS AFB GA  
LST TO UTC: + 5

DATE  
MONTH

| HOURLS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HRS<br>LST TO LST | LST TO LST |
|---------------|------|-----------------------|--------------|----------------------------------|------------|
| 00-02         | 50.0 | 9.000                 | 0            | 0                                |            |
| 03-05         | 45.7 | 9.390                 | 270          | 0                                | 10         |
| 06-08         | 45.5 | 7.413                 | 930          | 0                                | 12         |
| 09-11         | 52.5 | 7.517                 | 930          | 0                                | 10         |
| 12-14         | 59.2 | 10.233                | 730          | 0                                | 7          |
| 15-17         | 61.7 | 10.395                | 930          | 0                                | 5          |
| 18-20         | 57.9 | 8.957                 | 930          | 0                                | 5          |
| 21-23         | 52.4 | 9.005                 | 930          | 0                                | 11         |
| ALL<br>HOURS  | 54.4 | 11.211                | 5050         | 0                                | 105        |

|              |      |        |      |   |    |
|--------------|------|--------|------|---|----|
| 00-02        | 50.0 | 9.000  | 0    | 0 |    |
| 03-05        | 52.7 | 8.297  | 350  | 0 | 7  |
| 06-08        | 53.0 | 8.366  | 900  | 0 | 10 |
| 09-11        | 61.5 | 8.640  | 900  | 0 | 5  |
| 12-14        | 67.1 | 8.977  | 730  | 0 | 5  |
| 15-17        | 69.1 | 9.296  | 900  | 0 | 5  |
| 18-20        | 65.5 | 8.868  | 900  | 0 | 5  |
| 21-23        | 59.4 | 7.742  | 767  | 0 | 5  |
| ALL<br>HOURS | 62.1 | 10.459 | 5623 | 0 | 10 |

WYOMING TEMPERATURE SUMMARY  
 MONTHLY OBSERVATIONS

WYOMING

PERIOD OF RECORD: JULY 78 - MAY 84  
 MONTH: MAR

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
 LE 0 LE 32 GE 65 GE 80 GE 93 HOURS

|   |     |      |    |   |      |
|---|-----|------|----|---|------|
| 0 | 0   | 0    | 0  | 0 | 0    |
| 0 | 19  | 3    | 0  | 0 | 277  |
| 0 | 22  | 11   | 0  | 0 | 930  |
| 0 | 19  | 37   | 0  | 0 | 930  |
| 0 | 7   | 304  | 0  | 0 | 930  |
| 0 | 0   | 401  | 18 | 0 | 930  |
| 0 | 0   | 252  | 0  | 0 | 930  |
| 0 | 11  | 70   | 0  | 0 | 930  |
| 0 | 125 | 1147 | 20 | 0 | 5659 |

MONTH: APR

|   |    |      |     |   |      |
|---|----|------|-----|---|------|
| 0 | 0  | 0    | 0   | 0 | 0    |
| 0 | 2  | 23   | 0   | 0 | 356  |
| 0 | 10 | 70   | 0   | 0 | 900  |
| 0 | 0  | 331  | 0   | 0 | 900  |
| 0 | 0  | 554  | 55  | 0 | 900  |
| 0 | 0  | 631  | 125 | 0 | 900  |
| 0 | 0  | 433  | 40  | 0 | 900  |
| 0 | 0  | 219  | 0   | 0 | 757  |
| 0 | 12 | 2331 | 247 | 0 | 5623 |

OPERATING LOCATION: MAW  
USAFETAC, ASH-VILL NC

DRY BULB TEMPERATURE SUMMA  
FROM JULY OBSERVATION

STATION NUMBER: 722270 STATION NAME: DUMMINS AFB GA  
LST TO UTC: + 5

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF<br>LST TO UTC |
|--------------|------|-----------------------|--------------|------------------------------|
| 00-02        | 72.7 | 1.522                 | 5            | 0                            |
| 03-05        | 69.9 | 6.437                 | 544          | 0                            |
| 06-08        | 62.6 | 6.373                 | 930          | 0                            |
| 09-11        | 71.0 | 6.130                 | 930          | 0                            |
| 12-14        | 75.9 | 6.249                 | 930          | 0                            |
| 15-17        | 77.2 | 6.521                 | 920          | 0                            |
| 18-20        | 73.6 | 6.415                 | 922          | 0                            |
| 21-23        | 68.3 | 6.556                 | 613          | 0                            |
| ALL<br>HOURS | 70.6 | 6.476                 | 5644         | 0                            |

|              |      |       |      |   |
|--------------|------|-------|------|---|
| 00-02        | 6.0  | 6.000 | 0    | 0 |
| 03-05        | 60.9 | 6.646 | 540  | 0 |
| 06-08        | 70.5 | 6.636 | 900  | 0 |
| 09-11        | 73.4 | 6.275 | 900  | 0 |
| 12-14        | 73.0 | 6.356 | 900  | 0 |
| 15-17        | 74.5 | 6.560 | 900  | 0 |
| 18-20        | 81.1 | 6.391 | 900  | 0 |
| 21-23        | 75.7 | 4.323 | 600  | 0 |
| ALL<br>HOURS | 73.1 | 7.505 | 5640 | 0 |

NAVY JULY TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

W. S. SA

PERIOD OF RECORD: JUN 71 - MAY 66  
MONTH: MAY

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
LE 3 LT 30 GE 65 GE 69 GE 73 HOURS

|   |   |      |     |   |      |
|---|---|------|-----|---|------|
| 0 | 0 | 3    | 0   | 0 | 3    |
| 0 | 0 | 200  | 0   | 0 | 588  |
| 0 | 0 | 417  | 0   | 0 | 930  |
| 0 | 0 | 735  | 65  | 0 | 930  |
| 0 | 0 | 690  | 305 | 0 | 930  |
| 0 | 0 | 894  | 373 | 0 | 925  |
| 0 | 0 | 851  | 155 | 0 | 922  |
| 0 | 0 | 487  | 7   | 0 | 613  |
| 0 | 0 | 4520 | 915 | 0 | 5444 |

MONTH: JUN

|   |   |      |      |    |      |
|---|---|------|------|----|------|
| 0 | 0 | 0    | 0    | 0  | 0    |
| 0 | 0 | 458  | 0    | 0  | 540  |
| 0 | 0 | 797  | 19   | 0  | 900  |
| 0 | 0 | 853  | 380  | 1  | 900  |
| 0 | 0 | 900  | 631  | 23 | 900  |
| 0 | 0 | 900  | 750  | 51 | 900  |
| 0 | 0 | 900  | 556  | 0  | 900  |
| 0 | 0 | 597  | 120  | 0  | 600  |
| 0 | 0 | 5445 | 2506 | 84 | 5540 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUM  
FROM HOURLY OBSERVATION

STATION NUMBER: 722270 STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF<br>LST |
|--------------|------|-----------------------|--------------|-----------------------|
| 00-02        | 53.0 | .000                  | 3            | 0                     |
| 03-05        | 72.5 | 3.713                 | 567          | 0                     |
| 06-08        | 73.2 | 4.117                 | 725          | 0                     |
| 09-11        | 61.2 | 5.534                 | 930          | 0                     |
| 12-14        | 65.1 | 6.150                 | 930          | 0                     |
| 15-17        | 66.9 | 6.933                 | 930          | 0                     |
| 18-20        | 63.2 | 5.577                 | 930          | 0                     |
| 21-23        | 73.4 | 5.051                 | 623          | 0                     |
| ALL<br>HOURS | 60.9 | 7.623                 | 5839         | 0                     |
| 00-02        | 72.2 | 2.437                 | 5            | 0                     |
| 03-05        | 71.5 | 3.324                 | 537          | 0                     |
| 06-08        | 72.1 | 3.722                 | 930          | 0                     |
| 09-11        | 72.5 | 5.245                 | 930          | 0                     |
| 12-14        | 64.5 | 5.312                 | 930          | 0                     |
| 15-17        | 65.4 | 6.125                 | 930          | 0                     |
| 18-20        | 61.5 | 5.691                 | 930          | 0                     |
| 21-23        | 76.5 | 4.379                 | 524          | 0                     |
| ALL<br>HOURS | 79.3 | 7.245                 | 5839         | 0                     |

DAY-BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION: 345 SA PERIOD OF RECORD: JUN 76 - MAY 88  
MONTH: JUL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
LE 0 LE 32 GE 65 GE 80 GE 93 HOURS

|   |   |      |      |     |      |
|---|---|------|------|-----|------|
| 0 | 0 | 3    | 0    | 0   | 3    |
| 0 | 0 | 547  | 17   | 0   | 557  |
| 0 | 0 | 914  | 10   | 0   | 925  |
| 0 | 0 | 927  | 607  | 9   | 936  |
| 0 | 0 | 927  | 614  | 103 | 930  |
| 0 | 0 | 927  | 734  | 110 | 930  |
| 0 | 0 | 930  | 671  | 54  | 930  |
| 0 | 0 | 623  | 234  | 0   | 623  |
| 0 | 0 | 5793 | 3257 | 345 | 5429 |

MONTH: AUG

|   |   |      |      |     |      |
|---|---|------|------|-----|------|
| 0 | 0 | 5    | 0    | 0   | 5    |
| 0 | 0 | 544  | 4    | 0   | 552  |
| 0 | 0 | 903  | 20   | 0   | 930  |
| 0 | 0 | 925  | 458  | 5   | 930  |
| 0 | 0 | 927  | 762  | 73  | 930  |
| 0 | 0 | 929  | 771  | 111 | 930  |
| 0 | 0 | 927  | 579  | 27  | 930  |
| 0 | 0 | 622  | 171  | 0   | 624  |
| 0 | 0 | 5757 | 2740 | 222 | 5433 |



OPERATING LOCATION "A"  
USAFETAC, ASHVILLE NC

DRY BULB TEMPERATURE SUMMA  
FROM DAILY OBSERVATIONS

STATION NUMBER: 722270 STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>SJS | MEAN NUMBER OF<br>LST TO UTC |
|--------------|------|-----------------------|--------------|------------------------------|
| 00-02        | 65.5 | 6.722                 | 4            | 0                            |
| 03-05        | 64.9 | 6.520                 | 643          | 0                            |
| 06-08        | 65.5 | 6.527                 | 900          | 0                            |
| 09-11        | 73.3 | 6.259                 | 600          | 0                            |
| 12-14        | 73.5 | 7.279                 | 800          | 0                            |
| 15-17        | 73.7 | 7.351                 | 700          | 0                            |
| 18-20        | 74.9 | 7.009                 | 900          | 0                            |
| 21-23        | 70.1 | 6.200                 | 602          | 0                            |
| ALL<br>HOURS | 73.0 | 6.633                 | 5640         | 0                            |

|              |      |       |      |   |
|--------------|------|-------|------|---|
| 00-02        | 60.0 | 6.000 | 0    | 0 |
| 03-05        | 64.5 | 6.376 | 541  | 0 |
| 06-08        | 64.5 | 6.307 | 930  | 0 |
| 09-11        | 62.5 | 7.576 | 930  | 0 |
| 12-14        | 59.2 | 7.707 | 630  | 0 |
| 15-17        | 70.4 | 7.553 | 930  | 0 |
| 18-20        | 64.2 | 7.353 | 930  | 0 |
| 21-23        | 59.6 | 7.107 | 650  | 0 |
| ALL<br>HOURS | 62.3 | 6.712 | 5456 | 0 |

WY 1963 TEMPERATURE SUMMARY  
FROM 1000 HRS OBSERVATIONS

PERIOD OF RECORD: JUN 73 - MAY 83  
MONTH: SEP

| MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |       | TOTAL |
|--|-------|-------|-------|-------|-------|
| LT 0   | LT 32 | GE 65 | GE 80 | GT 93 | HOURS |
| 0  | 0     | 2     | 0     | 0     | 4     |
| 0  | 0     | 323   | 0     | 0     | 343   |
| 0  | 0     | 570   | 0     | 0     | 570   |
| 0  | 0     | 631   | 145   | 0     | 906   |
| 0  | 0     | 860   | 435   | 0     | 900   |
| 0  | 0     | 875   | 443   | 7     | 925   |
| 0  | 0     | 622   | 240   | 0     | 900   |
| 0  | 0     | 447   | 19    | 0     | 602   |
| 0  | 0     | 4737  | 1377  | 7     | 6664  |

MONTH: OCT

|   |   |      |     |   |      |
|---|---|------|-----|---|------|
| 0 | 0 | 0    | 0   | 0 | 0    |
| 0 | 0 | 76   | 0   | 0 | 541  |
| 0 | 0 | 115  | 0   | 0 | 330  |
| 0 | 0 | 381  | 12  | 0 | 930  |
| 0 | 0 | 685  | 91  | 0 | 930  |
| 0 | 0 | 717  | 104 | 0 | 930  |
| 0 | 0 | 452  | 16  | 0 | 930  |
| 0 | 0 | 170  | 0   | 0 | 655  |
| 0 | 0 | 2576 | 223 | 0 | 5456 |

OPERATING LOCATION NAME  
USAFETAC, ASHVILLE NC

DRY BULB TEMPERATURE SUMMER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270 STATION NAME: DUBBINS ARB GA  
LST TO UTC: + 5

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF<br>LST | MEAN NUMBER OF<br>LST |
|--------------|------|-----------------------|--------------|-----------------------|-----------------------|
| 00-02        | 47.8 | 5.837                 | 17           | 0                     | 0                     |
| 03-05        | 48.2 | 10.109                | 242          | 0                     | 14                    |
| 06-08        | 47.6 | 9.793                 | 900          | 0                     | 11                    |
| 09-11        | 54.0 | 9.936                 | 900          | 0                     | 7                     |
| 12-14        | 50.7 | 9.202                 | 900          | 0                     | 0                     |
| 15-17        | 51.7 | 9.137                 | 900          | 0                     | 1                     |
| 18-20        | 56.0 | 9.433                 | 900          | 0                     | 0                     |
| 21-23        | 52.0 | 9.703                 | 900          | 0                     | 0                     |
| ALL<br>HOURS | 55.0 | 10.337                | 5507         | 0                     | 0                     |

|              |      |        |      |   |     |
|--------------|------|--------|------|---|-----|
| 00-02        | 39.3 | 5.066  | 0    | 0 | 0   |
| 03-05        | 34.7 | 10.433 | 247  | 0 | 0   |
| 06-08        | 39.3 | 10.774 | 413  | 0 | 0   |
| 09-11        | 44.0 | 9.944  | 413  | 0 | 0   |
| 12-14        | 50.7 | 9.714  | 413  | 0 | 0   |
| 15-17        | 52.3 | 9.717  | 413  | 0 | 14  |
| 18-20        | 47.2 | 9.274  | 413  | 0 | 0   |
| 21-23        | 43.6 | 9.571  | 413  | 0 | 0   |
| ALL<br>HOURS | 45.6 | 10.827 | 5131 | 0 | 569 |

DAY-TIME TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

LAKE-USA

PERIOD: OCT 1 - OCT 31, 1967  
MONTH: NOV

MEAN NUMBER OF HOURS WITH TEMPERATURES BETWEEN  
LEAST 10 20 30 40 50 60 70 80 90 100

|   |   |    |      |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |
|---|---|----|------|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
| 1 | 2 | 3  | 4    | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | TOTAL |
| 0 | 0 | 0  | 0    | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 17    |
| 0 | 0 | 10 | 11   | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 243   |
| 0 | 0 | 21 | 20   | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 421   |
| 0 | 0 | 7  | 11   | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 121   |
| 0 | 0 | 0  | 3    | 1 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 400   |
| 0 | 0 | 1  | 3    | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 120   |
| 0 | 0 | 0  | 17   | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 400   |
| 0 | 0 | 0  | 7    | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 800   |
| 0 | 0 | 0  | 1122 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 6400  |

MINUTE: 010

|   |   |     |     |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |
|---|---|-----|-----|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
| 1 | 2 | 3   | 4   | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | TOTAL |
| 0 | 0 | 0   | 0   | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     |
| 0 | 0 | 0   | 0   | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 247   |
| 0 | 0 | 233 | 19  | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 613   |
| 0 | 0 | 21  | 24  | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 413   |
| 0 | 0 | 24  | 23  | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 413   |
| 0 | 0 | 14  | 27  | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 613   |
| 0 | 0 | 45  | 33  | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 213   |
| 0 | 0 | 0   | 10  | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 613   |
| 0 | 0 | 562 | 253 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 6131  |

OPERATING LOCATION: WAM  
USAFETAC, ASHVILLE, NC

DRY BULB TEMPERATURE: 65.0  
RELATIVE HUMIDITY: 45.0

STATION NUMBER: 702170

STATION NAME: 21-116 N-1-11  
EST TO UTC: + 5

| HOURS<br>EST  | MEAN | STANDARD<br>DEVIATION | TOTAL<br>FCS | STATION NUMBER | STATION NAME |
|---------------|------|-----------------------|--------------|----------------|--------------|
| 00-02         | 61.9 | 14.019                | 57           | 1              | 1-1          |
| 03-05         | 63.3 | 14.034                | 5357         | 1              | 1-1          |
| 06-08         | 67.1 | 13.742                | 10793        | 1              | 1-1          |
| 09-11         | 62.0 | 15.170                | 10797        | 1              | 1-1          |
| 12-14         | 67.3 | 15.161                | 10795        | 1              | 1-1          |
| 15-17         | 66.3 | 15.117                | 10793        | 1              | 1-1          |
| 18-20         | 66.0 | 15.100                | 10791        | 1              | 1-1          |
| 21-23         | 61.0 | 15.384                | 500          | 1              | 1-1          |
| ALL<br>TOTALS | 62.6 | 14.104                | 57577        | 1              | 1-1          |

MOON TEMPERATURE SUMMARY  
 FROM JULY 1955 (PAST 10)

PERIOD OF RECORD: JUL 74 - MAY 57  
 MONTH: ALL

| MONTH NUMBER OF HOURS WITH TEMPERATURES OVER TOTAL |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|
| 20-32  | 32-55 | 55-70 | 70-83 | 83-93 | 93-95 |
| 1  | 1     | 15    | 0     | 0     | 57    |
| 1  | 211   | 2140  | 21    | 0     | 5527  |
| 5  | 470   | 5000  | 12    | 0     | 10765 |
| 0  | 475   | 5200  | 1710  | 17    | 10767 |
| 5  | 170   | 5530  | 3150  | 200   | 10735 |
| 0  | 113   | 5002  | 3401  | 300   | 10763 |
| 0  | 200   | 5000  | 2000  | 00    | 1000  |
| 1  | 447   | 3375  | 501   | 0     | 5007  |
| 5  | 1723  | 5000  | 11001 | 5000  | 17007 |

OPERATING LOCATION "A"  
 DEATHWELL, ASH MILL

REFUGEE TEMPERATURE 10.000  
 REFUGEE TEMPERATURE 10.000

STATION NUMBER: 722273 STATION NAME: DEATHWELL ASH MILL  
 LOT TO LOT: 1-1

| GROUPS<br>LOT | MEAN | STANDARD<br>DEVIATION | TOTAL | MEAN TO LOT | STANDARD<br>DEVIATION |
|---------------|------|-----------------------|-------|-------------|-----------------------|
| 00-02         | 35.5 | 0.239                 | 23    | 7           |                       |
| 03-05         | 31.7 | 10.008                | 274   | 14.3        | 1                     |
| 06-08         | 31.2 | 0.032                 | 10    | 4.3         | 1                     |
| 09-11         | 33.9 | 0.011                 | 103   | 3.1         | 1                     |
| 12-14         | 37.7 | 0.223                 | 103   | 3.1         |                       |
| 15-17         | 35.5 | 0.052                 | 103   | 2.3         | 1                     |
| 18-20         | 35.5 | 0.141                 | 104   | 2.3         | 1                     |
| 21-23         | 34.1 | 0.135                 | 101   | 3.1         | 1                     |
| ALL<br>GROUPS | 35.3 | 0.745                 | 518   | 21.3        |                       |

|               |      |        |     |      |     |
|---------------|------|--------|-----|------|-----|
| 00-02         | 43.5 | 8.472  | 1   | 0    |     |
| 03-05         | 35.5 | 10.451 | 101 | 1.1  |     |
| 06-08         | 35.5 | 10.73  | 42  | 3.3  | 1   |
| 09-11         | 38.7 | 10.239 | 103 | 2.3  | 1   |
| 12-14         | 42.2 | 0.155  | 103 | 1.7  | 1   |
| 15-17         | 43.2 | 0.034  | 103 | 1.3  | 1   |
| 18-20         | 41.2 | 0.371  | 104 | 1.3  | 17  |
| 21-23         | 39.0 | 10.034 | 104 | 2.3  | 1   |
| ALL<br>GROUPS | 39.3 | 10.423 | 530 | 14.3 | 1.1 |

ALT. SOIL TEMPERATURE SUMMARY  
 4-34 JULY OBSERVATIONS

AREA 34

PERIOD OF RECORD: JUN 74 - MAY 93  
 MONTH: JAN

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
 LE 32 GE 60 37 67 68 73 GE 80 HOURS

|      |     |   |   |   |      |
|------|-----|---|---|---|------|
| 7    | 3   | 0 | 0 | 0 | 20   |
| 140  | 12  | 0 | 0 | 0 | 274  |
| 435  | 29  | 0 | 0 | 0 | 500  |
| 301  | 45  | 0 | 0 | 0 | 346  |
| 281  | 54  | 0 | 0 | 0 | 335  |
| 235  | 105 | 0 | 0 | 0 | 340  |
| 200  | 73  | 0 | 0 | 0 | 273  |
| 350  | 47  | 0 | 0 | 0 | 397  |
| 2134 | 300 | 0 | 0 | 0 | 5505 |

MONTH: FEB

|      |      |   |   |   |      |
|------|------|---|---|---|------|
| 0    | 0    | 0 | 0 | 0 | 0    |
| 101  | 01   | 0 | 0 | 0 | 201  |
| 300  | 107  | 0 | 0 | 0 | 407  |
| 247  | 130  | 0 | 0 | 0 | 377  |
| 157  | 100  | 0 | 0 | 0 | 257  |
| 150  | 204  | 0 | 0 | 0 | 354  |
| 100  | 175  | 0 | 0 | 0 | 275  |
| 200  | 137  | 0 | 0 | 0 | 337  |
| 1459 | 1010 | 0 | 0 | 0 | 5369 |



OPERATING LOCATION: "AW"  
USAFETAG, ARNAVILLE- NC

NET FIELD TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722070

STATION NAME: DRAKINS AR- 34  
LST TO UTC: + 5

DATE:  
1961-11

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF<br>LCS | STANDARD<br>DEVIATION |
|--------------|------|-----------------------|--------------|-----------------------|-----------------------|
| 00-02        | 40.0 | 0.000                 | 0            | 0                     | 0                     |
| 03-05        | 41.5 | 0.614                 | 273          | 49                    | 0.6                   |
| 06-08        | 41.5 | 0.559                 | 433          | 173                   | 0.10                  |
| 09-11        | 45.0 | 0.352                 | 930          | 59                    | 0.00                  |
| 12-14        | 40.1 | 0.910                 | 930          | 29                    | 0.00                  |
| 15-17        | 50.0 | 0.422                 | 930          | 70                    | 0.00                  |
| 18-20        | 42.1 | 0.540                 | 930          | 34                    | 0.11                  |
| 21-23        | 40.5 | 0.757                 | 730          | 53                    | 0.10                  |
| ALL<br>HOURS | 44.4 | 0.500                 | 5450         | 443                   | 0.070                 |

|              |      |       |      |    |       |
|--------------|------|-------|------|----|-------|
| 00-02        | 40.0 | 0.000 | 0    | 0  | 0     |
| 03-05        | 40.2 | 0.644 | 350  | 11 | 1.00  |
| 06-08        | 40.5 | 0.677 | 300  | 20 | 0.00  |
| 09-11        | 53.0 | 0.014 | 900  | 12 | 0.11  |
| 12-14        | 55.1 | 7.351 | 300  | 2  | 7.01  |
| 15-17        | 55.5 | 7.110 | 900  | 0  | 7.00  |
| 18-20        | 54.0 | 7.321 | 900  | 1  | 6.00  |
| 21-23        | 51.6 | 7.790 | 700  | 11 | 4.50  |
| ALL<br>HOURS | 52.7 | 0.104 | 5600 | 56 | 3.500 |

NET DAILY TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION 1A

PERIOD OF RECORD: JUN 74 - MAY 75  
MONTH: APR

.....  
MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
LE 52 GE 59 GE 67 GE 73 GE 80 HOURS  
.....

|     |      |    |   |   |      |
|-----|------|----|---|---|------|
| 0   | 0    | 0  | 0 | 0 | 0    |
| 49  | 60   | 0  | 0 | 0 | 279  |
| 173 | 212  | 0  | 0 | 0 | 440  |
| 59  | 346  | 3  | 0 | 0 | 930  |
| 29  | 433  | 11 | 0 | 0 | 930  |
| 75  | 470  | 1  | 0 | 0 | 930  |
| 34  | 411  | 4  | 0 | 0 | 930  |
| 13  | 410  | 0  | 0 | 0 | 930  |
| 443 | 2279 | 24 | 0 | 0 | 5450 |

.....  
MONTH: APR

|    |      |     |   |   |      |
|----|------|-----|---|---|------|
| 0  | 0    | 0   | 0 | 0 | 0    |
| 11 | 159  | 1   | 2 | 0 | 365  |
| 29 | 420  | 0   | 0 | 0 | 930  |
| 12 | 511  | 21  | 0 | 0 | 930  |
| 2  | 701  | 33  | 0 | 0 | 930  |
| 0  | 707  | 35  | 0 | 0 | 930  |
| 1  | 622  | 13  | 0 | 0 | 930  |
| 11 | 453  | 3   | 0 | 0 | 767  |
| 55 | 3924 | 111 | 0 | 0 | 5623 |

OPERATING LOCATION: "A"  
USAFETAG, ASHEVILLE, NC

NET ROLP TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722070

STATION NAME: JMW-105 AFB GA  
LST TO UTC: + 5

PERIOD:  
MONTH:

| ..... | ..... | .....     | ..... | .....                | ..... |
|-------|-------|-----------|-------|----------------------|-------|
| HOURS | MEAN  | STANDARD  | TOTAL | MEAN NUMBER OF HOURS |       |
| LST   |       | DEVIATION | 335   | LT 32                | GT 30 |
| ..... | ..... | .....     | ..... | .....                | ..... |
| 00-02 | 52.7  | 5.577     | 3     | 0                    | 4     |
| 03-05 | 57.1  | 5.250     | 580   | 0                    | 430   |
| 06-08 | 58.1  | 5.773     | 930   | 0                    | 785   |
| 09-11 | 52.2  | 5.935     | 930   | 0                    | 720   |
| 12-14 | 53.9  | 5.895     | 930   | 0                    | 620   |
| 15-17 | 54.1  | 5.332     | 923   | 0                    | 721   |
| 18-20 | 52.3  | 5.653     | 922   | 0                    | 715   |
| 21-23 | 51.1  | 5.123     | 515   | 0                    | 4     |
| ALL   |       |           |       |                      |       |
| HOURS | 51.5  | 5.482     | 5844  | 0                    | 3535  |
| ..... | ..... | .....     | ..... | .....                | ..... |

| ..... | ..... | .....     | ..... | .....                | ..... |
|-------|-------|-----------|-------|----------------------|-------|
| HOURS | MEAN  | STANDARD  | TOTAL | MEAN NUMBER OF HOURS |       |
| LST   |       | DEVIATION | 335   | LT 32                | GT 30 |
| ..... | ..... | .....     | ..... | .....                | ..... |
| 00-02 | 5.0   | 5.000     | 0     | 0                    | 0     |
| 03-05 | 55.5  | 4.967     | 540   | 0                    | 534   |
| 06-08 | 55.4  | 4.793     | 900   | 0                    | 717   |
| 09-11 | 59.7  | 4.417     | 900   | 0                    | 720   |
| 12-14 | 70.5  | 4.105     | 900   | 0                    | 720   |
| 15-17 | 70.6  | 3.835     | 900   | 0                    | 720   |
| 18-20 | 59.7  | 3.993     | 900   | 0                    | 720   |
| 21-23 | 53.4  | 4.175     | 600   | 0                    | 520   |
| ALL   |       |           |       |                      |       |
| HOURS | 55.0  | 4.639     | 5840  | 0                    | 5531  |
| ..... | ..... | .....     | ..... | .....                | ..... |

NET CULP TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

1-5-64 PERIOD OF RECORD: JUN 73 - MAY 94  
MONTH: MAY

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
LE 32 GE 40 GE 67 GE 73 GE 80 HOURS

|   |      |      |     |   |      |
|---|------|------|-----|---|------|
| 0 | 3    | 0    | 0   | 0 | 3    |
| 0 | 488  | 34   | 0   | 0 | 558  |
| 0 | 435  | 35   | 0   | 0 | 430  |
| 0 | 300  | 245  | 14  | 0 | 930  |
| 0 | 424  | 349  | 33  | 0 | 950  |
| 0 | 321  | 352  | 30  | 0 | 921  |
| 0 | 233  | 259  | 24  | 0 | 722  |
| 0 | 144  | 135  | 0   | 0 | 513  |
| 0 | 5535 | 1491 | 103 | 0 | 6944 |

MONTH: JUN

|   |      |      |      |   |      |
|---|------|------|------|---|------|
| 0 | 0    | 0    | 0    | 0 | 0    |
| 0 | 534  | 245  | 3    | 0 | 540  |
| 0 | 577  | 524  | 45   | 0 | 920  |
| 0 | 950  | 712  | 242  | 0 | 900  |
| 0 | 920  | 760  | 317  | 0 | 900  |
| 0 | 920  | 755  | 302  | 0 | 900  |
| 0 | 900  | 724  | 215  | 1 | 900  |
| 0 | 520  | 443  | 39   | 0 | 600  |
| 0 | 5531 | 4217 | 1213 | 1 | 6540 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FOR DAILY OBSERVATIONS

STATION NUMBER: 722270 STATION NAME: DORRIS AFB GA  
LST TO UTC: + 5

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL | MEAN NUMBER OF<br>LST 30 - 59 |
|--------------|------|-----------------------|-------|-------------------------------|
| 00-02        | 64.0 | .000                  | 3     | 0                             |
| 03-05        | 64.0 | 3.330                 | 557   | 0                             |
| 06-08        | 60.5 | 3.430                 | 925   | 0                             |
| 09-11        | 72.3 | 3.441                 | 930   | 0                             |
| 12-14        | 73.7 | 3.339                 | 930   | 0                             |
| 15-17        | 73.5 | 3.252                 | 930   | 0                             |
| 18-20        | 72.4 | 3.285                 | 930   | 0                             |
| 21-23        | 71.3 | 3.202                 | 523   | 0                             |
| ALL<br>HOURS | 71.0 | 3.727                 | 5020  | 0                             |

|              |      |       |      |   |
|--------------|------|-------|------|---|
| 00-02        | 59.2 | 1.493 | 5    | 0 |
| 03-05        | 67.3 | 3.312 | 552  | 0 |
| 06-08        | 62.2 | 3.302 | 930  | 0 |
| 09-11        | 71.5 | 3.365 | 930  | 0 |
| 12-14        | 72.5 | 3.133 | 930  | 0 |
| 15-17        | 72.4 | 3.035 | 930  | 0 |
| 18-20        | 71.5 | 2.935 | 929  | 0 |
| 21-23        | 70.3 | 3.120 | 624  | 0 |
| ALL<br>HOURS | 70.4 | 3.515 | 5837 | 0 |

NET HILTS TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

11-5A

PERIOD OF RECORD: JUN 73 - MAY 80  
MONTH: JUL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
LE 32 GE 60 GE 67 GE 73 GE 80 HOURS

|   |      |      |      |    |      |
|---|------|------|------|----|------|
| 0 | 3    | 0    | 0    | 0  | 3    |
| 0 | 557  | 425  | 71   | 0  | 557  |
| 0 | 726  | 732  | 162  | 0  | 425  |
| 0 | 930  | 472  | 539  | 10 | 930  |
| 0 | 920  | 497  | 543  | 23 | 930  |
| 0 | 930  | 595  | 617  | 21 | 930  |
| 0 | 930  | 472  | 430  | 11 | 930  |
| 0 | 623  | 571  | 232  | 1  | 623  |
| 0 | 5429 | 5215 | 2744 | 56 | 5429 |

MONTH: AUG

|   |      |      |      |   |      |
|---|------|------|------|---|------|
| 0 | 5    | 5    | 0    | 0 | 5    |
| 0 | 550  | 407  | 30   | 0 | 550  |
| 0 | 930  | 594  | 59   | 0 | 930  |
| 0 | 930  | 555  | 374  | 0 | 930  |
| 0 | 930  | 885  | 530  | 3 | 930  |
| 0 | 730  | 585  | 502  | 1 | 930  |
| 0 | 920  | 470  | 379  | 0 | 920  |
| 0 | 624  | 550  | 148  | 0 | 624  |
| 0 | 5337 | 5172 | 2021 | 4 | 5337 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

NET BULB TEMPERATURE SUMMARY  
FROM 400 HRS OBSERVATION

STATION NUMBER: 722270

STATION NAME: DORRIS AFB GA  
LST TO UTC: + 5

2041  
1961

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF<br>LE 32 00 00 |      |
|--------------|------|-----------------------|--------------|-------------------------------|------|
| 00-02        | 57.3 | 7.805                 | 4            | 0                             | 4    |
| 03-05        | 51.7 | 6.973                 | 541          | 0                             | 541  |
| 06-08        | 52.1 | 6.035                 | 900          | 0                             | 900  |
| 09-11        | 55.0 | 6.235                 | 900          | 0                             | 900  |
| 12-14        | 57.5 | 6.792                 | 900          | 0                             | 900  |
| 15-17        | 57.7 | 6.616                 | 900          | 0                             | 900  |
| 18-20        | 56.3 | 6.922                 | 900          | 0                             | 900  |
| 21-23        | 56.6 | 6.224                 | 502          | 0                             | 502  |
| ALL<br>HOURS | 55.4 | 6.607                 | 5547         | 0                             | 5547 |

|              |      |       |      |   |      |
|--------------|------|-------|------|---|------|
| 00-02        | 0    | 0.000 | 0    | 0 | 0    |
| 03-05        | 51.7 | 6.943 | 541  | 3 | 514  |
| 06-08        | 51.6 | 6.939 | 930  | 6 | 924  |
| 09-11        | 55.2 | 7.275 | 930  | 0 | 733  |
| 12-14        | 53.9 | 7.429 | 930  | 0 | 824  |
| 15-17        | 59.1 | 7.214 | 930  | 0 | 83   |
| 18-20        | 56.0 | 7.696 | 930  | 0 | 753  |
| 21-23        | 54.0 | 7.953 | 655  | 0 | 446  |
| ALL<br>HOURS | 55.9 | 6.432 | 5855 | 3 | 4472 |

NET BULL TEMPERATURE SUMMARY  
 4000 HOURS OBSERVATIONS

STATION: 1A PERIOD OF RECORD: JUN 74 - MAY 84  
 MONTH: SEP

| MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|
| LT 32  | GE 50 | GE 57 | GE 73 | GE 80 | HOURS |
| 0  | 4     | 1     | 0     | 0     | 4     |
| 0  | 506   | 176   | 3     | 0     | 541   |
| 0  | 497   | 303   | 5     | 0     | 490   |
| 0  | 493   | 499   | 114   | 0     | 900   |
| 0  | 499   | 472   | 201   | 1     | 900   |
| 0  | 500   | 574   | 127   | 0     | 900   |
| 0  | 505   | 513   | 115   | 0     | 900   |
| 0  | 495   | 230   | 34    | 0     | 502   |
| 0  | 5541  | 2933  | 574   | 1     | 5547  |

MONTH: OCT

|   |      |     |     |   |      |
|---|------|-----|-----|---|------|
| 0 | 0    | 0   | 0   | 0 | 0    |
| 3 | 314  | 31  | 1   | 0 | 541  |
| 5 | 522  | 45  | 2   | 0 | 530  |
| 0 | 733  | 101 | 20  | 0 | 930  |
| 0 | 424  | 154 | 24  | 0 | 930  |
| 0 | 435  | 154 | 20  | 0 | 930  |
| 0 | 755  | 101 | 20  | 0 | 930  |
| 0 | 446  | 47  | 9   | 0 | 565  |
| 3 | 4472 | 653 | 105 | 0 | 5455 |



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBHINS AFB GA  
LST TO UTC: + 5

2-81  
1011

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF<br>LST 12 5 |
|--------------|------|-----------------------|--------------|----------------------------|
| 00-02        | 54.2 | 5.890                 | 17           | 0                          |
| 03-05        | 45.2 | 10.709                | 282          | 39                         |
| 06-08        | 44.3 | 10.325                | 900          | 110                        |
| 09-11        | 43.3 | 9.225                 | 900          | 27                         |
| 12-14        | 52.1 | 8.599                 | 900          | 12                         |
| 15-17        | 52.2 | 8.520                 | 900          | 0                          |
| 18-20        | 49.7 | 8.733                 | 900          | 17                         |
| 21-23        | 47.5 | 9.437                 | 900          | 0                          |
| ALL<br>HOURS | 49.0 | 9.672                 | 5500         | 250                        |

|              |      |        |      |      |
|--------------|------|--------|------|------|
| 00-02        | 33.3 | 5.065  | 0    | 0    |
| 03-05        | 35.7 | 10.621 | 247  | 0    |
| 06-08        | 36.4 | 11.007 | 313  | 324  |
| 09-11        | 39.5 | 10.351 | 313  | 203  |
| 12-14        | 43.3 | 9.723  | 313  | 0    |
| 15-17        | 43.9 | 9.501  | 313  | 0    |
| 18-20        | 41.3 | 9.735  | 313  | 140  |
| 21-23        | 39.2 | 9.731  | 313  | 205  |
| ALL<br>HOURS | 40.4 | 10.497 | 5131 | 1150 |

1. JULY TEMPERATURE SUMMARY  
 2. JULY OBSERVATIONS

PERIOD RECORDED: JUN 76 - MAY 86  
 MONTH: NOV

| MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|
| LE 32  | 37-50 | 56-67 | 68-73 | 74-80 | HOURS |
| 0  | 16    | 0     | 0     | 0     | 17    |
| 38   | 104   | 2     | 0     | 0     | 242   |
| 100  | 313   | 4     | 0     | 0     | 400   |
| 27   | 420   | 12    | 0     | 0     | 500   |
| 12   | 534   | 23    | 0     | 0     | 600   |
| 9  | 617   | 15    | 0     | 0     | 690   |
| 17   | 439   | 5     | 0     | 0     | 700   |
| 15   | 357   | 5     | 0     | 0     | 490   |
| 250  | 2733  | 70    | 0     | 0     | 3500  |

MONTH: DEC

|      |      |   |   |   |      |
|------|------|---|---|---|------|
| 3    | 0    | 0 | 0 | 0 | 5    |
| 93   | 32   | 0 | 0 | 0 | 247  |
| 324  | 110  | 0 | 0 | 0 | 413  |
| 203  | 143  | 0 | 0 | 0 | 413  |
| 04   | 204  | 0 | 0 | 0 | 413  |
| 03   | 223  | 3 | 0 | 0 | 413  |
| 140  | 160  | 0 | 0 | 0 | 413  |
| 205  | 125  | 0 | 0 | 0 | 413  |
| 1150 | 1005 | 3 | 0 | 0 | 5131 |

OPERATING LOCATION "A"  
 JSAPETAC, ASHVILLE, NC

WET BULB TEMPERATURE SUMMARY  
 FROM JULY 1955 TO PRESENT

STATION NUMBER: 722270

STATION NAME: HARRIS ARS GA  
 LST TO LTC: + 5

DATE  
 12/1/55

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>HRS | MEAN, NUMBER OF HOURS<br>LST 50 - 51.50 | MEAN, NUMBER OF HOURS<br>LST 51.50 - 53.00 |
|--------------|------|-----------------------|--------------|---|--|
| 00-02        | 47.8 | 13.340                | 47           | 10                                      | 20   |
| 03-05        | 54.3 | 14.102                | 5025         | 445                                     | 335  |
| 06-08        | 51.8 | 15.373                | 15743        | 1515                                    | 5115                                       |
| 09-11        | 55.2 | 18.136                | 10797        | 754                                     | 505  |
| 12-14        | 57.8 | 14.040                | 10735        | 545                                     | 377  |
| 15-17        | 57.9 | 13.830                | 10793        | 412                                     | 777  |
| 18-20        | 55.2 | 14.141                | 10757        | 551                                     | 7214                                       |
| 21-23        | 52.1 | 14.500                | 557          | 100                                     | 1100                                       |
| ALL<br>HOURS | 55.1 | 14.555                | 57024        | 5525                                    | 45671                                      |

ALTITUDE TEMPERATURE SUMMARY  
 FROM HOURLY OBSERVATIONS

STATION

PERIOD OF RECORD: JULY 76 - MAY 83  
 MONTH: ALL

MEAN NUMBER OF HOURS WITH TEMPERATURES 95°F. OR  
 LESS 31-50 51-67 68-73 74-80 81-85

10 32 6 2 2 67

445 3350 1363 113 2 5025

1815 5115 2400 273 0 10703

254 5993 3321 1303 12 10747

245 7070 3592 1740 27 10700

412 7705 3701 1877 22 10703

551 7214 3400 1233 12 10707

100 6067 2084 510 1 1060

5525 43371 12950 2065 72 67024

OPERATING LOCATION: WAW  
USARFAC, ASH-VILLE, NC

NEW POINT ITAP: 1400000, 1400000  
FROM SUPPLY GAS VARIATIONS

STATION NUMBER: 722770

STATION NAME: 3000000, 3000000  
EST. TO UTC: + 5

1400000  
1400000

| GROUPS<br>EST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>GAS | MEAN NUMBER<br>EST | MEAN NUMBER<br>EST |
|---------------|------|-----------------------|--------------|--------------------|--------------------|
| 00-02         | 26.1 | 13.529                | 20           | 1                  | 1                  |
| 03-05         | 26.1 | 13.522                | 274          | 140                | 140                |
| 06-08         | 26.5 | 13.249                | 400          | 400                | 400                |
| 09-11         | 26.5 | 13.437                | 400          | 400                | 400                |
| 12-14         | 27.1 | 13.940                | 300          | 400                | 200                |
| 15-17         | 26.9 | 14.041                | 400          | 400                | 200                |
| 18-20         | 26.9 | 13.750                | 400          | 400                | 200                |
| 21-23         | 26.7 | 13.320                | 400          | 400                | 200                |
| ALL<br>GROUPS | 26.6 | 13.559                | 1600         | 2400               | 1400               |

|               |      |        |      |      |      |
|---------------|------|--------|------|------|------|
| 00-02         | 30.4 | 14.375 | 0    | 0    | 0    |
| 03-05         | 30.9 | 13.912 | 261  | 100  | 100  |
| 06-08         | 30.5 | 13.549 | 440  | 375  | 270  |
| 09-11         | 31.4 | 13.900 | 440  | 331  | 310  |
| 12-14         | 31.5 | 14.350 | 440  | 317  | 310  |
| 15-17         | 31.5 | 14.527 | 440  | 345  | 200  |
| 18-20         | 31.1 | 14.334 | 440  | 342  | 200  |
| 21-23         | 31.2 | 13.874 | 440  | 340  | 200  |
| ALL<br>GROUPS | 31.2 | 14.092 | 5364 | 2150 | 1900 |

POINT TEMPERATURE SUMMARY  
 FROM JULY OBSERVATIONS

STATION: 6A PERIOD OF RECORD: JUN 7 - MAY 35  
 MONTH: JAN

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL  
 LE 27 31 37 LE 55 56 55 HOURS

| 0    | 1    | 10   | 0 | 20   |
|------|------|------|---|------|
| 148  | 63   | 250  | 0 | 274  |
| 422  | 155  | 473  | 0 | 378  |
| 461  | 227  | 572  | 0 | 445  |
| 455  | 222  | 470  | 0 | 433  |
| 453  | 233  | 467  | 0 | 443  |
| 455  | 246  | 472  | 0 | 484  |
| 453  | 230  | 460  | 0 | 481  |
| 2940 | 1496 | 3511 | 0 | 5590 |

MEAN: 54.3

| 0    | 4    | 3    | 0 | 349  |
|------|------|------|---|------|
| 125  | 22   | 251  | 0 | 349  |
| 373  | 270  | 313  | 0 | 349  |
| 331  | 315  | 312  | 0 | 349  |
| 317  | 310  | 735  | 0 | 348  |
| 345  | 295  | 798  | 0 | 349  |
| 343  | 279  | 300  | 0 | 349  |
| 354  | 303  | 315  | 0 | 349  |
| 2159 | 1990 | 5093 | 0 | 5364 |

OPERATING LOCATION "AW"  
USAF TAC, ASH-VILLE NC

LOW POINT TEMPERATURE SUMMARY  
FROM 1 JULY 1951 TO 1 JULY 1952

STATION NUMBER: 732270

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

4-11  
MONTH

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURLY<br>LF 27 00 00 |      |
|--------------|------|-----------------------|--------------|--------------------------------------|------|
| 00-02        | 36.0 | 12.000                | 0            | 0                                    |      |
| 03-05        | 36.1 | 12.325                | 277          | 74                                   | 131  |
| 06-08        | 36.4 | 12.206                | 930          | 237                                  | 441  |
| 09-11        | 37.0 | 12.050                | 930          | 239                                  | 447  |
| 12-14        | 38.0 | 13.048                | 930          | 227                                  | 420  |
| 15-17        | 37.4 | 13.017                | 930          | 239                                  | 470  |
| 18-20        | 37.0 | 12.813                | 930          | 244                                  | 475  |
| 21-23        | 37.4 | 12.189                | 930          | 222                                  | 500  |
| ALL<br>HOURS | 37.3 | 12.733                | 5487         | 1672                                 | 3117 |

|              |      |        |      |     |      |
|--------------|------|--------|------|-----|------|
| 00-02        | 43.0 | 12.000 | 0    | 0   |      |
| 03-05        | 43.4 | 12.065 | 355  | 15  | 207  |
| 06-08        | 43.7 | 12.270 | 900  | 71  | 525  |
| 09-11        | 44.0 | 11.373 | 900  | 53  | 557  |
| 12-14        | 44.3 | 11.257 | 900  | 55  | 549  |
| 15-17        | 43.2 | 11.353 | 900  | 71  | 523  |
| 18-20        | 43.1 | 11.527 | 900  | 75  | 537  |
| 21-23        | 43.0 | 11.049 | 767  | 50  | 551  |
| ALL<br>HOURS | 43.3 | 11.259 | 5623 | 446 | 4033 |

LOW POINT TEMPERATURE SUMMARY  
FROM DAILY OBSERVATIONS

STATION: SA PERIOD OF RECORD: JUN 73 - MAY 54  
MONTH: MAR

| MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       | TOTAL |
|--|-------|-------|-------|-------|
| LE 27  | OF 37 | LE 55 | GE 65 | HOURS |
| 74   | 131   | 262   | 0     | 279   |
| 237  | 438   | 857   | 0     | 930   |
| 229  | 477   | 840   | 3     | 930   |
| 227  | 490   | 835   | 3     | 930   |
| 239  | 479   | 843   | 0     | 930   |
| 244  | 475   | 855   | 0     | 930   |
| 222  | 502   | 855   | 0     | 930   |
| 1672   | 1072  | 5353  | 6     | 5459  |

MONTH: APR

|     |      |      |    |      |
|-----|------|------|----|------|
| 0   | 0    | 0    | 0  | 900  |
| 25  | 247  | 304  | 4  | 900  |
| 71  | 539  | 757  | 5  | 900  |
| 53  | 557  | 723  | 12 | 900  |
| 55  | 549  | 732  | 13 | 900  |
| 71  | 523  | 737  | 9  | 900  |
| 35  | 537  | 730  | 7  | 900  |
| 50  | 551  | 529  | 7  | 900  |
| 446 | 4033 | 4522 | 52 | 5623 |



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DOBBINS AFB GA  
LST TO UTC: + 5

PERIOD  
MONTH

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS<br>LT 27 3- 37 |      |
|--------------|------|-----------------------|--------------|-------------------------------------|------|
| 00-02        | 55.7 | 5.877                 | 3            | 0                                   | 0    |
| 03-05        | 54.1 | 5.405                 | 540          | 0                                   | 575  |
| 06-08        | 54.7 | 5.365                 | 930          | 0                                   | 910  |
| 09-11        | 55.2 | 5.507                 | 930          | 0                                   | 912  |
| 12-14        | 55.0 | 5.544                 | 930          | 0                                   | 914  |
| 15-17        | 55.3 | 5.761                 | 925          | 0                                   | 912  |
| 18-20        | 55.4 | 5.832                 | 922          | 0                                   | 901  |
| 21-23        | 55.0 | 5.607                 | 513          | 2                                   | 501  |
| ALL<br>HOURS | 55.4 | 5.657                 | 5844         | 2                                   | 5727 |

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF HOURS<br>LT 27 3- 37 |      |
|--------------|------|-----------------------|--------------|-------------------------------------|------|
| 00-02        | 60   | 5.000                 | 0            | 0                                   | 0    |
| 03-05        | 63.5 | 5.757                 | 540          | 0                                   | 540  |
| 06-08        | 64.0 | 5.797                 | 900          | 0                                   | 900  |
| 09-11        | 65.1 | 5.074                 | 900          | 0                                   | 900  |
| 12-14        | 64.2 | 5.054                 | 900          | 0                                   | 900  |
| 15-17        | 63.4 | 5.121                 | 900          | 0                                   | 900  |
| 18-20        | 63.7 | 5.155                 | 900          | 0                                   | 900  |
| 21-23        | 64.4 | 5.373                 | 500          | 0                                   | 500  |
| ALL<br>HOURS | 64.1 | 5.059                 | 5540         | 0                                   | 5540 |

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

LAKE MEAD

PERIOD OF RECORD: JUN 73 - MAY 84  
MONTH: MAY

| MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |  | TOTAL |
|--|-------|-------|-------|--|-------|
| LE 27  | GE 37 | LE 55 | GE 65 |  | HOURS |
| 0  | 3     | 0     | 0     |  | 3     |
| 0  | 575   | 301   | 50    |  | 558   |
| 0  | 910   | 446   | 95    |  | 930   |
| 0  | 912   | 406   | 152   |  | 930   |
| 0  | 914   | 421   | 150   |  | 930   |
| 0  | 912   | 437   | 146   |  | 926   |
| 0  | 901   | 430   | 149   |  | 922   |
| 2  | 501   | 271   | 100   |  | 513   |
| 2  | 729   | 2714  | 652   |  | 5544  |

MONTH: JUN

|   |      |     |      |      |
|---|------|-----|------|------|
| 0 | 0    | 0   | 0    | 900  |
| 0 | 540  | 50  | 301  | 900  |
| 0 | 900  | 97  | 517  | 900  |
| 0 | 900  | 95  | 573  | 900  |
| 0 | 900  | 95  | 495  | 900  |
| 0 | 900  | 111 | 455  | 900  |
| 0 | 900  | 111 | 476  | 900  |
| 0 | 500  | 61  | 357  | 900  |
| 0 | 5640 | 523 | 3135 | 5640 |

OPERATING LOCATION: HAW  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DIBBINS AFB GA  
LST TO UTC: + 5

PERIOD:  
MONTH:

| ..... | ..... | .....     | ..... | ..... | .....           |
|-------|-------|-----------|-------|-------|-----------------|
| HOURS | MEAN  | STANDARD  | TOTAL | MEAN  | NUMBER OF HOURS |
| LST   |       | DEVIATION | OBS   | LT 27 | 31-37           |
| ..... | ..... | .....     | ..... | ..... | .....           |
| 00-02 | 61.3  | .577      | 3     | 0     | 3               |
| 03-05 | 67.0  | 3.760     | 557   | 0     | 557             |
| 06-08 | 67.5  | 3.955     | 925   | 0     | 925             |
| 09-11 | 68.9  | 3.874     | 930   | 0     | 930             |
| 12-14 | 68.1  | 4.011     | 930   | 0     | 930             |
| 15-17 | 67.3  | 4.175     | 930   | 0     | 930             |
| 18-20 | 67.4  | 4.220     | 930   | 0     | 930             |
| 21-23 | 67.9  | 3.770     | 623   | 0     | 623             |
| ALL   |       |           |       |       |                 |
| HOURS | 67.8  | 4.035     | 5429  | 0     | 5429            |
| ..... | ..... | .....     | ..... | ..... | .....           |
| ..... |       |           |       |       |                 |
| ..... |       |           |       |       |                 |
| 00-02 | 67.5  | .894      | 5     | 0     | 5               |
| 03-05 | 66.1  | 4.030     | 550   | 0     | 550             |
| 06-08 | 66.1  | 4.045     | 930   | 0     | 930             |
| 09-11 | 67.5  | 3.975     | 930   | 0     | 930             |
| 12-14 | 67.0  | 4.033     | 930   | 0     | 930             |
| 15-17 | 66.2  | 4.200     | 930   | 0     | 930             |
| 18-20 | 66.4  | 4.141     | 929   | 0     | 929             |
| 21-23 | 67.1  | 3.932     | 624   | 0     | 624             |
| ALL   |       |           |       |       |                 |
| HOURS | 66.7  | 4.143     | 5937  | 0     | 5937            |
| ..... | ..... | .....     | ..... | ..... | .....           |

POINT TEMPERATURE SUMMARY  
HOURLY OBSERVATIONS

1966 GA PERIOD OF RECORD: JUN 74 - MAY 84  
MONTH: JUL

| MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL |       |       |       |       |
|--|-------|-------|-------|-------|
| LT 27  | SE 37 | LT 55 | SE 55 | HOURS |
| 0  | 3     | 0     | 0     | 3     |
| 0  | 557   | 5     | 429   | 557   |
| 0  | 925   | 5     | 750   | 925   |
| 0  | 930   | 6     | 910   | 930   |
| 0  | 930   | 3     | 757   | 930   |
| 0  | 930   | 5     | 695   | 930   |
| 0  | 930   | 10    | 710   | 930   |
| 0  | 523   | 3     | 519   | 523   |
| 0  | 5529  | 43    | 4575  | 5529  |

| MONTH: AUG |      |     |      |      |
|------------|------|-----|------|------|
| 0          | 5    | 0   | 5    | 930  |
| 0          | 999  | 14  | 492  | 930  |
| 0          | 930  | 23  | 535  | 930  |
| 0          | 930  | 13  | 776  | 930  |
| 0          | 930  | 13  | 735  | 930  |
| 0          | 930  | 10  | 634  | 930  |
| 0          | 929  | 14  | 720  | 930  |
| 0          | 524  | 7   | 503  | 930  |
| 0          | 5837 | 103 | 4513 | 5837 |

OPERATING LOCATION "AW"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DODDINS AFB GA  
LST TO UTC: + 5

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>HRS | MEAN NUMBER OF<br>LL 27 31 47 |
|--------------|------|-----------------------|--------------|-------------------------------|
| 00-02        | 50.5 | 10.985                | 4            | 0                             |
| 03-05        | 59.5 | 7.287                 | 541          | 0                             |
| 06-08        | 59.2 | 7.325                 | 900          | 0                             |
| 09-11        | 51.5 | 7.930                 | 900          | 2                             |
| 12-14        | 51.3 | 7.977                 | 900          | 2                             |
| 15-17        | 50.7 | 7.623                 | 900          | 1                             |
| 18-20        | 51.3 | 7.534                 | 900          | 1                             |
| 21-23        | 51.1 | 7.554                 | 512          | 1                             |
| ALL<br>HOURS | 50.9 | 7.894                 | 5647         | 7                             |

|              |      |        |      |    |
|--------------|------|--------|------|----|
| 00-02        | 50.1 | 10.000 | 4    | 0  |
| 03-05        | 49.2 | 10.527 | 541  | 5  |
| 06-08        | 48.4 | 10.342 | 930  | 14 |
| 09-11        | 50.5 | 10.720 | 930  | 9  |
| 12-14        | 50.5 | 11.233 | 930  | 20 |
| 15-17        | 50.0 | 11.511 | 930  | 20 |
| 18-20        | 50.0 | 10.735 | 930  | 16 |
| 21-23        | 50.7 | 10.121 | 650  | 5  |
| ALL<br>HOURS | 50.1 | 10.937 | 5455 | 97 |

NEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION 34

PERIOD OF RECORD: JUN 75 - MAY 81  
MONTH: SEP

| MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       | TOTAL |
|--|-------|-------|-------|-------|
| LL 27  | 32 37 | LA 55 | 60 65 | HOURS |
| 0  | 4     | 3     | 1     | 4     |
| 0  | 540   | 151   | 153   | 541   |
| 0  | 128   | 223   | 317   | 300   |
| 0  | 127   | 201   | 401   | 400   |
| 0  | 397   | 217   | 333   | 900   |
| 0  | 527   | 224   | 372   | 1000  |
| 0  | 100   | 213   | 355   | 1000  |
|  | 502   | 147   | 245   | 500   |
| 0  | 5335  | 1384  | 2250  | 5467  |

MONTH: OCT

|    |      |      |     |      |
|----|------|------|-----|------|
| 0  | 0    | 0    | 0   | 030  |
| 0  | 474  | 373  | 43  | 430  |
| 14 | 813  | 574  | 55  | 730  |
| 0  | 535  | 591  | 33  | 730  |
| 10 | 512  | 590  | 5   | 730  |
| 25 | 792  | 513  | 70  | 730  |
| 16 | 527  | 593  | 33  | 730  |
| 0  | 501  | 442  | 54  | 730  |
| 37 | 5155 | 3371 | 492 | 5356 |

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE STATION 7  
FROM 400000Z 1957 TO 1957

STATION NUMBER: 722270 STATION NAME: DEBBINS AREA GA  
LST TO UTC: + 5

1957  
400000Z

| GROUPS<br>LST  | MEAN | STANDARD<br>DEVIATION | TOTAL<br>OBS | MEAN NUMBER OF<br>LST 27 1957-1957 |      |
|----------------|------|-----------------------|--------------|------------------------------------|------|
| 00-02          | 41.5 | 5.691                 | 17           | 0                                  | 17   |
| 03-05          | 41.7 | 13.012                | 232          | 61                                 | 171  |
| 06-08          | 41.4 | 12.465                | 900          | 130                                | 770  |
| 09-11          | 43.2 | 12.445                | 700          | 73                                 | 627  |
| 12-14          | 43.3 | 13.239                | 900          | 153                                | 747  |
| 15-17          | 42.5 | 13.523                | 900          | 154                                | 746  |
| 18-20          | 42.3 | 12.731                | 900          | 173                                | 727  |
| 21-23          | 42.5 | 12.499                | 900          | 110                                | 790  |
| ALL<br>400000Z | 42.5 | 12.770                | 5549         | 707                                | 4842 |

|                |      |        |      |      |      |
|----------------|------|--------|------|------|------|
| 00-02          | 24.0 | 5.542  | 5    | 3    | 2    |
| 03-05          | 31.0 | 13.134 | 247  | 0    | 247  |
| 06-08          | 31.7 | 13.573 | 613  | 343  | 270  |
| 09-11          | 33.0 | 13.354 | 319  | 305  | 314  |
| 12-14          | 33.4 | 14.447 | 313  | 319  | 337  |
| 15-17          | 32.0 | 14.501 | 313  | 331  | 336  |
| 18-20          | 33.0 | 13.245 | 313  | 311  | 315  |
| 21-23          | 32.4 | 13.315 | 313  | 317  | 276  |
| ALL<br>400000Z | 32.7 | 13.234 | 5131 | 2014 | 1936 |

NEW POINT TEMPERATURE SUMMARY  
 HOURLY OBSERVATIONS

STATION: 01 MONTH: NOV PERIOD OF RECORD: JUL 78 - MAY 84

| MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       |  | TOTAL |
|--|-------|-------|-------|--|-------|
| LE 27  | GE 27 | LE 55 | GE 55 |  | HOURS |
| 0  | 17    | 11    | 0     |  | 17    |
| 41   | 171   | 223   | 4     |  | 232   |
| 130  | 249   | 747   | 0     |  | 630   |
| 75   | 635   | 715   | 12    |  | 900   |
| 139  | 608   | 699   | 16    |  | 700   |
| 154  | 658   | 711   | 15    |  | 900   |
| 123  | 674   | 712   | 11    |  | 900   |
| 112  | 587   | 714   | 8     |  | 900   |
| 707  | 5994  | 4535  | 75    |  | 5527  |

CONTINUED

|      |      |      |   |  |      |
|------|------|------|---|--|------|
| 3    | 0    | 5    | 0 |  | 613  |
| 45   | 94   | 232  | 0 |  | 613  |
| 143  | 267  | 755  | 0 |  | 613  |
| 305  | 306  | 745  | 0 |  | 613  |
| 312  | 337  | 755  | 0 |  | 613  |
| 331  | 335  | 753  | 0 |  | 613  |
| 311  | 315  | 764  | 2 |  | 613  |
| 307  | 276  | 755  | 1 |  | 613  |
| 2014 | 1036 | 4783 | 3 |  | 6131 |



OPERATING LOCATION: "A"  
USAFETAC, ARMYVILLE, NC

DEVELOPMENT OF OPERATING SUMMARY  
FROM 1 JULY 65 TO 11 JUL 65

STATION NUMBER: 722270

STATION NAME: DUBUINS AFB GA  
LST TO UTC: + 5

2001  
1001

| HOURS<br>LST | MEAN | STANDARD<br>DEVIATION | TOTAL<br>BPS | MEAN<br>L 27 57 7 | ST<br>BPS |
|--------------|------|-----------------------|--------------|-------------------|-----------|
| 00-02        | 43.5 | 15.264                | 57           | 11                | 56        |
| 03-05        | 51.5 | 16.160                | 5025         | 500               | 495       |
| 06-08        | 47.9 | 17.470                | 10700        | 1000              | 770       |
| 09-11        | 46.3 | 17.710                | 10767        | 1000              | 760       |
| 12-14        | 49.1 | 17.573                | 10700        | 1045              | 700       |
| 15-17        | 48.4 | 17.540                | 10700        | 1000              | 700       |
| 18-20        | 48.6 | 17.510                | 10707        | 1000              | 700       |
| 21-23        | 46.4 | 17.640                | 1067         | 1000              | 700       |
| ALL<br>HOURS | 48.6 | 17.517                | 67424        | 2000              | 4000      |

W. D. H. T. OPERATIVE SUMMARY  
 1941 JULY 1955 MILLIONS

PERIOD OF RECORD: JUL 7 - MAY 56  
 MONTH: ALL

| .....  |       |       |       |       |
|--|-------|-------|-------|-------|
| MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F |       |       |       | TOTAL |
| 17-37  | 37-55 | 55-65 | 65-85 | 1949  |
| .....  |       |       |       |       |
| 11   | 44    | 41    | 6     | 57    |
| 500  | 4042  | 2481  | 1416  | 5025  |
| 1000   | 7734  | 1426  | 2447  | 10733 |
| 1000   | 7490  | 4070  | 2447  | 10747 |
| 1000   | 7349  | 4010  | 2443  | 10795 |
| 1000   | 7007  | 4134  | 2440  | 10793 |
| 1000   | 7047  | 4110  | 2431  | 10717 |
| 1000   | 6131  | 4000  | 1707  | 887   |
| 1000   | 4474  | 3400  | 16117 | 57424 |
| .....  |       |       |       |       |

OPERATING LOCATION: "A"  
 WSAF-TV, ASHEVILLE, NC

CUMULATIVE PERCENTAGE FREQUENCY OF 100%  
 5% TO 100% DAILY BASE VALUE

STATION NUMBER: 700070

STATION NAME: SHANNON AFB, GA  
 LST TO UTC: + 5

| .....        | .....                                      | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
|--------------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| HOURS        | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO |       |       |       |       |       |       |       |       |
| LST          | 10%  | 20%   | 30%   | 40%   | 50%   | 60%   | 70%   |       |       |
| 00-02        | 100.0                                      | 100.0 | 100.0 | 100.0 | 95.0  | 85.0  | 60.0  | 40.0  |       |
| 03-05        | 100.0                                      | 100.0 | 98.0  | 94.0  | 86.5  | 68.1  | 49.5  | 30.5  |       |
| 06-08        | 100.0                                      | 100.0 | 98.0  | 94.0  | 87.0  | 70.2  | 52.4  | 34.4  |       |
| 09-11        | 100.0                                      | 100.0 | 96.0  | 87.2  | 71.2  | 55.0  | 40.8  | 28.7  |       |
| 12-14        | 100.0                                      | 96.0  | 83.7  | 62.0  | 49.6  | 36.1  | 27.0  | 18.0  |       |
| 15-17        | 100.0                                      | 94.0  | 76.4  | 57.2  | 41.7  | 31.4  | 23.0  | 16.0  |       |
| 18-20        | 100.0                                      | 94.0  | 81.0  | 71.0  | 56.5  | 41.1  | 30.4  | 20.0  |       |
| 21-23        | 100.0                                      | 100.0 | 95.0  | 84.5  | 59.2  | 53.2  | 37.0  | 20.4  |       |
| ALL<br>HOURS | 100.0                                      | 96.7  | 81.1  | 77.1  | 63.6  | 49.0  | 35.0  | 27.0  |       |
| .....        | .....                                      | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

|              |       |       |       |       |      |      |      |      |  |
|--------------|-------|-------|-------|-------|------|------|------|------|--|
| 00-02        | 100.0 | 100.0 | 100.0 | 100.0 | 88.7 | 66.7 | 55.7 | 41.7 |  |
| 03-05        | 100.0 | 100.0 | 100.0 | 95.0  | 85.2 | 72.4 | 56.7 | 40.0 |  |
| 06-08        | 100.0 | 100.0 | 99.0  | 97.6  | 89.0 | 77.6 | 67.2 | 50.0 |  |
| 09-11        | 100.0 | 99.0  | 96.3  | 86.3  | 72.2 | 56.4 | 40.2 | 29.1 |  |
| 12-14        | 100.0 | 96.0  | 81.7  | 62.7  | 47.8 | 36.2 | 26.5 | 18.0 |  |
| 15-17        | 99.0  | 94.0  | 76.2  | 52.0  | 41.7 | 33.0 | 25.4 | 18.0 |  |
| 18-20        | 100.0 | 96.4  | 82.7  | 63.8  | 50.8 | 38.0 | 31.1 | 23.0 |  |
| 21-23        | 100.0 | 100.0 | 95.0  | 85.0  | 66.5 | 53.4 | 37.0 | 26.0 |  |
| ALL<br>HOURS | 100.0 | 96.1  | 83.2  | 75.1  | 62.6 | 50.1 | 37.0 | 27.0 |  |

PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

13 APR 68 PERIOD OF RECORD: JUN 71 - MAY 74  
MONTH: JAN

| GREATER THAN OR EQUAL TO |      |      |      |      |           |
|--------------------------|------|------|------|------|-----------|
|                          | 50%  | 70%  | 90%  | MEAN | TOTAL OBS |
| 60.0                     | 50.0 | 40.0 | 30.0 | 75.0 | 20        |
| 59.1                     | 49.4 | 38.5 | 29.1 | 70.0 | 274       |
| 70.1                     | 52.4 | 34.9 | 17.4 | 70.5 | 435       |
| 50.1                     | 40.1 | 26.7 | 13.4 | 60.0 | 435       |
| 35.1                     | 27.0 | 18.1 | 9.5  | 53.2 | 282       |
| 31.4                     | 23.5 | 14.2 | 9.2  | 49.0 | 483       |
| 41.1                     | 29.4 | 22.1 | 11.2 | 56.3 | 444       |
| 53.0                     | 37.5 | 29.4 | 13.0 | 62.5 | 431       |
| 48.2                     | 35.1 | 25.3 | 12.9 | 52.5 | 5595      |

MONTH: FEB

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 60.7 | 55.7 | 51.7 | 33.3 | 75.0 | 9    |
| 72.5 | 56.7 | 35.0 | 15.0 | 71.5 | 251  |
| 77.5 | 57.2 | 39.1 | 17.1 | 72.7 | 840  |
| 55.4 | 49.2 | 29.1 | 14.1 | 64.1 | 840  |
| 35.2 | 21.5 | 21.2 | 9.7  | 52.0 | 140  |
| 33.0 | 25.4 | 18.3 | 11.2 | 49.4 | 640  |
| 31.0 | 31.1 | 23.0 | 11.1 | 54.7 | 340  |
| 33.4 | 37.5 | 26.5 | 14.1 | 62.0 | 349  |
| 31.1 | 37.0 | 27.0 | 13.4 | 52.0 | 5344 |

OPERATING LOCATION "AA"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF 7000  
FROM DAILY OBSERVATION

STATION NUMBER: 722270

STATION NAME: DOUGLAS AFB GA  
LST TO UTC: + 5

722270  
DOUGLAS

| .....        | .....                                      | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
|--------------|--|-------|-------|-------|-------|-------|-------|-------|-------|
| HOURS        | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO |       |       |       |       |       |       |       |       |
| LST          | 10%  | 20%   | 30%   | 40%   | 50%   | 60%   | 70%   | 80%   |       |
| 00-02        |  |       |       |       |       |       |       |       |       |
| 03-05        | 100.0                                      | 100.0 | 99.6  | 97.1  | 92.2  | 78.6  | 53.6  | 29.7  | 1     |
| 06-08        | 100.0                                      | 100.0 | 99.9  | 97.7  | 90.2  | 73.3  | 50.7  | 32.7  | 1     |
| 09-11        | 100.0                                      | 99.9  | 96.1  | 82.0  | 63.7  | 40.6  | 23.7  | 12.9  |       |
| 12-14        | 100.0                                      | 97.1  | 80.9  | 59.2  | 41.4  | 29.0  | 16.9  | 10.3  |       |
| 15-17        | 100.0                                      | 93.9  | 69.1  | 47.3  | 34.5  | 22.7  | 15.8  | 10.2  |       |
| 18-20        | 100.0                                      | 97.1  | 61.3  | 38.3  | 42.5  | 25.0  | 13.5  | 13.9  |       |
| 21-23        | 100.0                                      | 100.0 | 97.2  | 84.2  | 64.4  | 44.8  | 26.2  | 15.9  |       |
| ALL<br>HOURS | 100.0                                      | 98.1  | 83.9  | 72.5  | 57.7  | 42.5  | 29.7  | 17.6  |       |

|              |       |       |       |      |      |      |      |      |   |
|--------------|-------|-------|-------|------|------|------|------|------|---|
| 00-02        |       |       |       |      |      |      |      |      |   |
| 03-05        | 100.0 | 100.0 | 100.0 | 98.6 | 93.0 | 79.5 | 57.5 | 32.7 |   |
| 06-08        | 100.0 | 100.0 | 100.0 | 98.4 | 91.3 | 80.3 | 66.6 | 34.7 | 1 |
| 09-11        | 100.0 | 100.0 | 95.7  | 73.9 | 50.9 | 43.7 | 25.2 | 14.7 |   |
| 12-14        | 100.0 | 95.7  | 80.3  | 55.9 | 37.0 | 25.5 | 14.7 | 8.0  |   |
| 15-17        | 100.0 | 95.1  | 69.2  | 44.7 | 30.3 | 21.2 | 14.1 | 8.0  |   |
| 18-20        | 100.0 | 95.1  | 60.4  | 36.4 | 37.5 | 27.5 | 19.1 | 11.9 |   |
| 21-23        | 100.0 | 100.0 | 94.0  | 75.2 | 54.0 | 43.0 | 23.3 | 10.2 |   |
| ALL<br>HOURS | 100.0 | 98.9  | 87.5  | 71.5 | 55.9 | 42.7 | 25.1 | 14.4 |   |

PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION: 04 PERIOD OF RECORD: JUN 73 - MAY 80  
MONTH: MAR

| .....                   |      |      |      |      |           |
|-------------------------|------|------|------|------|-----------|
| HIGHER THAN OR EQUAL TO |      |      |      |      |           |
| 60%                     | 70%  | 80%  | 90%  | MEAN | TOTAL OBS |
| .....                   |      |      |      |      |           |
|                         |      |      |      | 0    | 0         |
| 70.6                    | 53.6 | 29.7 | 10.0 | 59.4 | 279       |
| 73.3                    | 56.7 | 32.7 | 10.6 | 70.6 | 930       |
| 77.4                    | 33.7 | 19.9 | 7.8  | 59.7 | 930       |
| 79.0                    | 18.9 | 10.3 | 6.3  | 43.6 | 930       |
| 80.7                    | 15.7 | 10.2 | 4.3  | 44.4 | 930       |
| 81.3                    | 19.8 | 13.2 | 5.3  | 49.1 | 930       |
| 84.8                    | 26.8 | 15.2 | 7.2  | 59.5 | 930       |
| 88.6                    | 29.7 | 17.3 | 6.8  | 59.5 | 1659      |
| .....                   |      |      |      |      |           |

MONTH: APR

| ..... |      |      |      |      |      |
|-------|------|------|------|------|------|
|       |      |      |      | 0    | 0    |
| 79.5  | 57.5 | 32.7 | 9.7  | 71.5 | 355  |
| 80.3  | 58.6 | 34.7 | 10.6 | 71.5 | 900  |
| 83.2  | 26.8 | 14.7 | 4.8  | 55.2 | 900  |
| 85.5  | 16.7 | 8.6  | 2.3  | 47.9 | 900  |
| 88.2  | 14.1 | 6.7  | 2.3  | 42.9 | 900  |
| 89.6  | 19.1 | 11.0 | 3.2  | 47.7 | 900  |
| 93.7  | 29.3 | 15.2 | 4.5  | 59.4 | 767  |
| 95.7  | 29.1 | 16.4 | 5.0  | 58.4 | 5623 |

OPERATING LOCATION: "A"  
HSAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

PERIOD: 1  
MONTH: MAY

| .....        | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO |       |       |       |       |      |      |      |      |
|--------------|--|-------|-------|-------|-------|------|------|------|------|
| .....        | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%  |
| .....        | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%  |
| 00-02        | 100.0                                      | 100.0 | 100.0 | 100.0 | 100.0 | 33.3 |      |      |      |
| 03-05        | 100.0                                      | 100.0 | 100.0 | 100.0 | 99.5  | 94.2 | 78.7 | 51.7 | 21.5 |
| 06-08        | 100.0                                      | 100.0 | 100.0 | 33.3  | 97.7  | 90.5 | 73.5 | 44.0 | 17.4 |
| 09-11        | 100.0                                      | 100.0 | 32.7  | 21.9  | 74.2  | 54.0 | 31.9 | 14.3 | 1.7  |
| 12-14        | 100.0                                      | 100.0 | 35.2  | 73.2  | 52.2  | 30.2 | 15.1 | 6.5  | 1.7  |
| 15-17        | 100.0                                      | 100.0 | 31.3  | 54.8  | 43.3  | 24.7 | 15.4 | 7.5  | 3.   |
| 18-20        | 100.0                                      | 100.0 | 95.9  | 73.9  | 53.2  | 33.6 | 22.2 | 11.5 | 4.7  |
| 21-23        | 100.0                                      | 100.0 | 92.5  | 97.2  | 86.0  | 63.3 | 42.4 | 21.5 | 7.   |
| ALL<br>HOURS | 100.0                                      | 100.0 | 97.3  | 88.2  | 70.9  | 54.0 | 37.0 | 20.8 | 7.4  |

CONT: 1

| .....        | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO |       |       |       |       |      |      |      |      |
|--------------|--|-------|-------|-------|-------|------|------|------|------|
| .....        | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%  |
| .....        | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%  |
| 00-02        |  |       |       |       |       |      |      |      |      |
| 03-05        | 100.0                                      | 100.0 | 100.0 | 100.0 | 100.0 | 92.3 | 73.1 | 57.3 | 31.5 |
| 06-08        | 100.0                                      | 100.0 | 100.0 | 100.0 | 99.7  | 95.2 | 85.0 | 53.0 | 25.3 |
| 09-11        | 100.0                                      | 100.0 | 100.0 | 97.7  | 85.4  | 62.6 | 36.2 | 14.4 | 6.7  |
| 12-14        | 100.0                                      | 100.0 | 22.9  | 53.7  | 50.7  | 32.2 | 14.5 | 4.7  | 1.1  |
| 15-17        | 100.0                                      | 100.0 | 22.0  | 73.2  | 45.3  | 25.0 | 10.4 | 5.3  | 2.3  |
| 18-20        | 100.0                                      | 100.0 | 99.7  | 29.3  | 64.7  | 32.9 | 20.7 | 9.4  | 4.0  |
| 21-23        | 100.0                                      | 100.0 | 100.0 | 100.0 | 94.7  | 75.0 | 47.2 | 21.7 | 7.2  |
| ALL<br>HOURS | 100.0                                      | 100.0 | 92.3  | 92.5  | 75.3  | 53.5 | 40.7 | 23.7 | 10.5 |

PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION: 34 PERIOD OF RECORD: JUN 73 - MAY 88  
MONTH: MAY

| LESS THAN OR EQUAL TO | 60%  | 70%  | 80%  | 90%  | MEAN | TOTAL OBS |
|-----------------------|------|------|------|------|------|-----------|
| 58.3                  |      |      |      |      | 57.0 | 3         |
| 64.2                  | 76.7 | 51.7 | 21.3 | 78.7 |      | 589       |
| 70.1                  | 70.3 | 44.0 | 17.4 | 75.3 |      | 730       |
| 76.0                  | 31.0 | 14.3 | 2.7  | 61.2 |      | 730       |
| 81.9                  | 15.1 | 6.5  | 1.7  | 51.0 |      | 930       |
| 87.7                  | 10.4 | 7.5  | 3.0  | 40.4 |      | 725       |
| 93.6                  | 22.2 | 11.0 | 4.7  | 55.5 |      | 922       |
| 99.5                  | 42.4 | 21.5 | 7.8  | 55.2 |      | 612       |
| 105.4                 | 37.0 | 20.9 | 7.5  | 55.2 |      | 5744      |

MONTH: JUN

| LESS THAN OR EQUAL TO | 60%  | 70%  | 80%  | 90%  | MEAN | TOTAL OBS |
|-----------------------|------|------|------|------|------|-----------|
| 58.3                  |      |      |      |      | 58.3 | 0         |
| 64.2                  | 93.1 | 57.4 | 31.5 | 53.3 |      | 540       |
| 70.1                  | 85.0 | 53.6 | 25.3 | 40.5 |      | 900       |
| 76.0                  | 36.0 | 14.7 | 5.0  | 55.1 |      | 900       |
| 81.9                  | 16.0 | 4.7  | 2.1  | 54.7 |      | 900       |
| 87.7                  | 10.4 | 5.3  | 2.3  | 51.2 |      | 900       |
| 93.6                  | 20.7 | 9.4  | 4.0  | 57.4 |      | 900       |
| 99.5                  | 47.2 | 21.7 | 7.2  | 60.2 |      | 600       |
| 105.4                 | 40.7 | 23.7 | 10.0 | 69.2 |      | 5640      |



CUMULATIVE PERCENTAGE FREQUENCY OF OCCUR-  
RANCE FROM HOURLY OBSERVATIONS

27174

1934

|               | 1977-8 |       |       |       |       |       |       |       | 1978-9 |
|---------------|--------|-------|-------|-------|-------|-------|-------|-------|--------|
| 00-02         | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9   |
| 03-05         | 100.0  | 100.0 | 100.0 | 100.0 | 99.6  | 99.7  | 93.4  | 91.4  | 94.1   |
| 06-07         | 100.0  | 100.0 | 100.0 | 100.0 | 99.7  | 91.4  | 90.6  | 91.0  | 94.1   |
| 08-11         | 100.0  | 100.0 | 100.0 | 99.7  | 95.2  | 77.3  | 42.6  | 16.7  | 94.1   |
| 12-14         | 100.0  | 100.0 | 99.5  | 94.3  | 74.0  | 37.0  | 13.4  | 4.7   | 94.1   |
| 15-17         | 100.0  | 100.0 | 99.5  | 90.2  | 62.2  | 30.0  | 14.1  | 4.9   | 94.1   |
| 18-20         | 100.0  | 100.0 | 99.9  | 95.2  | 82.9  | 67.7  | 29.7  | 11.9  | 94.1   |
| 21-23         | 100.0  | 100.0 | 100.0 | 100.0 | 95.1  | 85.3  | 60.1  | 27.7  | 94.1   |
| ALL<br>GROUPS | 100.0  | 100.0 | 99.7  | 96.4  | 85.0  | 66.5  | 45.3  | 24.4  | 94.1   |

PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION: 04 PERIOD OF RECORD: JUN 73 - MAY 82  
MONTH: JUL

| .....                    |       |      |      |      |           |
|--------------------------|-------|------|------|------|-----------|
| VALUES THAT ARE EQUAL TO |       |      |      |      |           |
| 50%                      | 70%   | 80%  | 90%  | MEAN | TOTAL OBS |
| .....                    |       |      |      |      |           |
| 100.0                    | 100.0 | 83.3 |      | 79.0 | 3         |
| 99.1                     | 94.4  | 71.3 | 19.4 | 83.0 | 557       |
| 94.3                     | 80.7  | 59.2 | 15.8 | 81.1 | 926       |
| 74.6                     | 41.5  | 14.6 | 1.0  | 87.3 | 930       |
| 33.9                     | 14.4  | 4.6  | .4   | 86.4 | 930       |
| 23.7                     | 10.2  | 3.1  | 1.0  | 84.1 | 930       |
| 4.2                      | 23.7  | 13.8 | 0.0  | 80.9 | 930       |
| 5.7                      | 54.3  | 24.7 | 5.6  | 71.3 | 523       |
| 64.0                     | 45.4  | 25.4 | 5.0  | 71.3 | 5829      |
| .....                    |       |      |      |      |           |

| .....      |       |       |      |      |      |
|------------|-------|-------|------|------|------|
| MONTH: AUG |       |       |      |      |      |
| .....      |       |       |      |      |      |
| 100.0      | 100.0 | 100.0 | 40.0 | 85.4 | 5    |
| 61.7       | 83.4  | 61.4  | 24.3 | 82.5 | 559  |
| 51.4       | 50.5  | 41.0  | 20.6 | 81.5 | 930  |
| 37.3       | 42.6  | 14.7  | 2.7  | 84.0 | 930  |
| 37.0       | 13.4  | 4.7   | 1.0  | 87.0 | 930  |
| 33.0       | 14.1  | 4.9   | 1.3  | 84.5 | 930  |
| 7.7        | 29.7  | 11.7  | 3.3  | 82.7 | 929  |
| 5.5        | 59.1  | 27.7  | 4.3  | 72.9 | 524  |
| 64.7       | 45.8  | 24.4  | 8.0  | 72.9 | 5937 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722070

STATION NAME: DREBINS AFB GA  
LST TO UTC: + 5

PERIOD  
CENT:

| HOURS<br>LST | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO |       |       |       |       |      |      |      |      |
|--------------|--|-------|-------|-------|-------|------|------|------|------|
|              | 10%  | 20%   | 30%   | 40%   | 50%   | 60%  | 70%  | 80%  | 90%  |
| 00-02        | 100.0                                      | 100.0 | 100.0 | 100.0 | 75.0  | 25.0 | 25.0 | 25.0 | 0.0  |
| 03-05        | 100.0                                      | 100.0 | 100.0 | 100.0 | 100.0 | 95.7 | 94.3 | 69.1 | 27.0 |
| 06-08        | 100.0                                      | 100.0 | 100.0 | 100.0 | 99.3  | 95.1 | 92.1 | 55.2 | 1.0  |
| 09-11        | 100.0                                      | 100.0 | 100.0 | 99.1  | 91.0  | 71.4 | 44.7 | 21.0 | 0.0  |
| 12-14        | 100.0                                      | 100.0 | 99.7  | 91.9  | 65.0  | 37.4 | 19.4 | 10.2 | 0.0  |
| 15-17        | 100.0                                      | 100.0 | 93.3  | 85.2  | 54.9  | 31.0 | 17.4 | 10.1 | 0.0  |
| 18-20        | 100.0                                      | 100.0 | 99.7  | 96.4  | 64.3  | 52.1 | 33.9 | 15.0 | 0.0  |
| 21-23        | 100.0                                      | 100.0 | 100.0 | 100.0 | 97.7  | 89.7 | 57.3 | 31.0 | 0.0  |
| ALL<br>HOURS | 100.0                                      | 100.0 | 99.6  | 95.5  | 73.0  | 55.0 | 42.4 | 24.3 | 1.0  |

|              |       |       |       |       |      |      |      |      |      |
|--------------|-------|-------|-------|-------|------|------|------|------|------|
| 00-02        |       |       |       |       |      |      |      |      |      |
| 03-05        | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 94.3 | 85.3 | 65.4 | 0.0  |
| 06-08        | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 94.3 | 85.2 | 64.3 | 27.0 |
| 09-11        | 100.0 | 100.0 | 99.4  | 93.4  | 81.3 | 63.2 | 43.3 | 25.0 | 1.0  |
| 12-14        | 100.0 | 99.5  | 93.2  | 76.1  | 53.1 | 35.1 | 22.0 | 12.7 | 0.0  |
| 15-17        | 100.0 | 94.5  | 86.1  | 59.7  | 46.5 | 29.1 | 17.3 | 12.2 | 0.0  |
| 18-20        | 100.0 | 100.0 | 93.4  | 91.6  | 73.1 | 59.1 | 37.6 | 21.3 | 10.0 |
| 21-23        | 100.0 | 100.0 | 99.5  | 99.2  | 94.1 | 80.2 | 62.4 | 33.9 | 17.0 |
| ALL<br>HOURS | 100.0 | 99.7  | 95.7  | 91.9  | 75.7 | 52.5 | 42.3 | 32.1 | 10.0 |

PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

AFB SA PERIOD OF RECORD: JUN 73 - MAY 78  
MONTH: SEP

| .....                    |      |      |      |      |           |
|--------------------------|------|------|------|------|-----------|
| GREATER THAN OR EQUAL TO |      |      |      |      |           |
| 60%                      | 70%  | 80%  | 90%  | MEAN | TOTAL OBS |
| .....                    |      |      |      |      |           |
| 25.0                     | 25.0 | 25.0 |      | 53.5 | 4         |
| 96.7                     | 94.3 | 69.1 | 27.0 | 33.1 | 541       |
| 37.1                     | 32.1 | 55.2 | 25.2 | 62.4 | 900       |
| 71.4                     | 64.7 | 21.8 | 8.3  | 63.2 | 900       |
| 37.4                     | 19.4 | 10.2 | 3.8  | 57.3 | 900       |
| 31.0                     | 17.4 | 10.1 | 3.2  | 54.5 | 900       |
| 32.1                     | 33.9 | 15.0 | 5.2  | 54.4 | 900       |
| 59.7                     | 57.3 | 31.4 | 9.0  | 74.1 | 602       |
| 65.0                     | 49.4 | 29.3 | 10.8 | 74.1 | 5547      |

MONTH: OCT

| ..... |      |      |      |      |      |
|-------|------|------|------|------|------|
| ..... |      |      |      |      |      |
| 96.3  | 85.3 | 65.4 | 30.1 | 32.1 | 541  |
| 94.3  | 85.2 | 64.3 | 27.3 | 31.3 | 930  |
| 63.2  | 43.3 | 25.0 | 12.2 | 65.4 | 930  |
| 39.1  | 22.0 | 12.7 | 7.5  | 54.4 | 930  |
| 39.1  | 17.3 | 12.2 | 7.5  | 51.5 | 930  |
| 70.1  | 37.6 | 21.3 | 10.2 | 54.1 | 930  |
| 5.2   | 52.4 | 33.0 | 17.4 | 73.3 | 655  |
| 62.0  | 47.3 | 32.1 | 15.2 | 73.2 | 5555 |

OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE, NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722770

STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

PERIOD  
MONTH:

| HOURS<br>LST | 10%   | 20%   | 30%   | 40%   | 50%   | 60%   | 70%  | 80%  | 90%  |
|--------------|-------|-------|-------|-------|-------|-------|------|------|------|
| 00-02        | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 94.1 | 47.1 | 17.1 |
| 03-05        | 100.0 | 100.0 | 99.6  | 99.3  | 97.8  | 87.0  | 72.7 | 55.0 | 24.1 |
| 06-08        | 100.0 | 100.0 | 99.7  | 99.4  | 97.3  | 89.8  | 75.7 | 54.4 | 27.1 |
| 09-11        | 100.0 | 99.5  | 98.4  | 92.1  | 82.4  | 67.9  | 50.3 | 34.9 | 17.1 |
| 12-14        | 100.0 | 87.3  | 67.0  | 71.3  | 57.2  | 43.4  | 30.3 | 21.2 | 11.1 |
| 15-17        | 100.0 | 86.3  | 62.0  | 55.0  | 52.5  | 37.3  | 27.3 | 13.1 | 6.1  |
| 18-20        | 100.0 | 99.1  | 95.5  | 87.3  | 72.3  | 57.0  | 33.4 | 24.7 | 14.1 |
| 21-23        | 100.0 | 99.4  | 99.3  | 95.2  | 85.0  | 75.0  | 57.1 | 35.9 | 17.1 |
| ALL<br>HOURS | 100.0 | 93.1  | 94.4  | 86.2  | 76.4  | 63.2  | 44.2 | 34.2 | 16.1 |

|              |       |       |       |       |      |      |      |      |      |
|--------------|-------|-------|-------|-------|------|------|------|------|------|
| 00-02        | 100.0 | 100.0 | 100.0 | 100.0 | 64.7 | 50.0 |      |      |      |
| 03-05        | 100.0 | 100.0 | 100.0 | 99.2  | 90.7 | 80.2 | 67.1 | 40.1 | 11.1 |
| 06-08        | 100.0 | 100.0 | 100.0 | 99.0  | 92.5 | 79.7 | 61.6 | 43.1 | 14.1 |
| 09-11        | 100.0 | 100.0 | 98.8  | 92.5  | 75.5 | 57.0 | 45.3 | 29.4 | 14.1 |
| 12-14        | 100.0 | 94.6  | 89.3  | 67.4  | 44.3 | 35.2 | 25.0 | 14.1 | 6.1  |
| 15-17        | 100.0 | 85.6  | 33.0  | 55.1  | 45.5 | 31.7 | 20.7 | 14.3 | 6.1  |
| 18-20        | 100.0 | 99.6  | 95.7  | 81.2  | 63.4 | 46.7 | 30.3 | 13.2 | 9.1  |
| 21-23        | 100.0 | 100.0 | 99.0  | 65.0  | 73.1 | 50.5 | 44.4 | 24.0 | 12.1 |
| ALL<br>HOURS | 100.0 | 99.2  | 94.6  | 83.1  | 63.7 | 54.5 | 39.4 | 25.3 | 12.3 |

# CONTINUED FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY FROM HOURLY OBSERVATIONS

ST. GA PLANTING OF RECORD: JUN. 73 - MAY 80  
MONTH: NOV

| .....                   |      |      |      |      |           |
|-------------------------|------|------|------|------|-----------|
| FASTER THAN OR EQUAL TO |      |      |      |      |           |
| 60%                     | 70%  | 80%  | 90%  | MEAN | TOTAL OBS |
| .....                   |      |      |      |      |           |
| 100.0                   | 94.1 | 47.1 | 17.5 | 73.7 | 17        |
| 87.0                    | 72.7 | 55.0 | 23.0 | 72.0 | 282       |
| 69.0                    | 75.7 | 61.4 | 27.2 | 72.4 | 900       |
| 57.0                    | 62.3 | 35.9 | 17.1 | 65.9 | 900       |
| 43.0                    | 33.3 | 21.2 | 9.7  | 55.0 | 900       |
| 37.0                    | 27.2 | 12.1 | 7.0  | 53.7 | 900       |
| 37.0                    | 30.4 | 25.7 | 13.7 | 53.5 | 900       |
| 25.0                    | 37.1 | 35.2 | 17.2 | 71.5 | 900       |
| 53.0                    | 40.2 | 34.2 | 15.5 | 71.5 | 8699      |
| .....                   |      |      |      |      |           |

MONTH: DEC

| ..... |      |      |      |      |      |
|-------|------|------|------|------|------|
| 60.0  |      |      |      | 54.3 | 9    |
| 77.0  | 57.1 | 42.1 | 15.1 | 73.3 | 147  |
| 73.7  | 51.5 | 43.1 | 13.7 | 74.0 | 513  |
| 72.0  | 45.3 | 29.8 | 15.0 | 65.1 | 513  |
| 55.0  | 25.0 | 15.1 | 5.3  | 53.5 | 513  |
| 51.7  | 22.7 | 14.3 | 5.5  | 50.2 | 513  |
| 45.7  | 30.3 | 12.2 | 9.5  | 59.3 | 513  |
| 57.0  | 44.4 | 24.0 | 12.2 | 65.3 | 513  |
| 54.5  | 32.5 | 25.3 | 12.3 | 56.3 | 5131 |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DORRINS AFB GA

PERIOD:

LST TO UTC: + 5

MONTH: 1

| HOURS<br>LST | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO |       |       |       |      |      |      |      |      |
|--------------|--|-------|-------|-------|------|------|------|------|------|
|              | 10%  | 20%   | 30%   | 40%   | 50%  | 60%  | 70%  | 80%  | 90%  |
| 00-02        | 100.0                                      | 100.0 | 100.0 | 100.0 | 89.5 | 79.1 | 64.2 | 43.3 | 21.7 |
| 03-05        | 100.0                                      | 100.0 | 99.0  | 99.2  | 96.6 | 90.3 | 79.0 | 65.5 | 50.0 |
| 06-08        | 100.0                                      | 100.0 | 99.6  | 98.9  | 95.5 | 87.5 | 73.3 | 59.0 | 45.0 |
| 09-11        | 100.0                                      | 99.0  | 93.4  | 81.8  | 73.2 | 61.1 | 39.0 | 21.7 | 10.0 |
| 12-14        | 100.0                                      | 94.5  | 71.1  | 75.0  | 64.7 | 34.3 | 20.3 | 11.6 | 5.0  |
| 15-17        | 100.0                                      | 87.5  | 65.5  | 65.9  | 45.4 | 29.0 | 13.2 | 11.0 | 5.0  |
| 18-20        | 100.0                                      | 89.0  | 83.3  | 60.3  | 59.1 | 45.5 | 25.5 | 15.7 | 5.0  |
| 21-23        | 100.0                                      | 100.0 | 99.4  | 92.5  | 61.3 | 59.0 | 45.9 | 25.2 | 10.0 |
| ALL<br>HOURS | 100.0                                      | 99.3  | 94.9  | 85.1  | 71.0 | 55.2 | 40.5 | 25.2 | 10.0 |

CONTINGENCY FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
 AND DAILY LOSS RADIATION

STATION: PERIOD OF RECORD: JUN 74 - MAY 88  
 MONTH: ALL

| .....                  |      |      |       |       |            |
|------------------------|------|------|-------|-------|------------|
| WATER LOSS OR EQUAL TO |      |      |       |       |            |
| 50.5                   | 70.5 | 90.5 | 110.5 | 130.5 | TOTAL LOSS |
| .....                  |      |      |       |       |            |
| 73.1                   | 55.2 | 43.3 | 20.9  | 74.0  | 57         |
| 47.3                   | 79.0 | 55.5 | 22.4  | 78.3  | 5025       |
| 47.5                   | 73.3 | 49.3 | 14.7  | 77.0  | 10793      |
| 51.1                   | 40.7 | 21.7 | 8.5   | 64.5  | 10797      |
| 34.3                   | 23.3 | 11.5 | 5.0   | 53.7  | 10795      |
| 14.2                   | 14.2 | 11.0 | 5.2   | 50.5  | 10793      |
| 45.5                   | 24.5 | 14.7 | 7.1   | 55.0  | 10747      |
| 24.7                   | 44.9 | 24.2 | 10.9  | 55.5  | 5567       |
| 34.2                   | 44.5 | 24.0 | 10.3  | 52.9  | 67224      |



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PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS.

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METEOROLOGICAL STATIONS.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES.

PART 7

PRESSURE SUMMARIES

IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

1. SYNOPSIS REPORTING TIME PERIODS FOR EACH MONTH

(ALL HOURS COMBINED).

(ALL HOURS COMBINED).

2. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION  
NOT AVAILABLE FOR METAR REPORTING SITES.

3. TABLES GIVE MEANS, STANDARD DEVIATIONS, AND

4. TABLES GIVE MEANS, STANDARD DEVIATIONS AND

MILLIMETER = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE, NC

SEA LEVEL PRESSURE IN MILLIBARS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DUBRINS AFB GA  
LST TO UTC: + 5

2021

| HOURS<br>(LST) | STATS   | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | ALL    |
|----------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0100           | MEAN    | 1014.8 | 1006.5 | .0     | .0     | 1014.5 | .0     | 1015.1 | 1013.1 |
|                | SD      | 4.848  | 6.543  | .000   | .000   | .000   | .000   | .000   | 1.1    |
|                | TOT OBS | 7      | 3      | 0      | 0      | 1      | 0      | 1      |        |
| 0400           | MEAN    | 1012.9 | 1007.2 | .0     | 1012.6 | 1015.3 | 1015.9 | 1016.7 | 1013.1 |
|                | SD      | 4.359  | 7.512  | .000   | 5.125  | 3.715  | 2.942  | 2.543  | 2.1    |
|                | TOT OBS | 5      | 3      | 0      | 25     | 279    | 240    | 242    |        |
| 0700           | MEAN    | 1020.5 | 1019.6 | 1017.6 | 1016.1 | 1016.5 | 1017.0 | 1017.7 | 1017.1 |
|                | SD      | 5.753  | 7.200  | 7.429  | 5.593  | 3.531  | 2.345  | 2.745  | 2.1    |
|                | TOT OBS | 299    | 223    | 310    | 302    | 310    | 300    | 300    | 31     |
| 1000           | MEAN    | 1021.4 | 1020.3 | 1018.5 | 1016.3 | 1017.0 | 1017.5 | 1018.3 | 1017.1 |
|                | SD      | 5.855  | 7.330  | 7.518  | 5.926  | 3.924  | 3.359  | 2.841  | 2.1    |
|                | TOT OBS | 295    | 283    | 310    | 300    | 310    | 300    | 310    | 31     |
| 1300           | MEAN    | 1020.4 | 1019.7 | 1017.5 | 1015.8 | 1016.2 | 1016.8 | 1017.5 | 1017.1 |
|                | SD      | 5.755  | 7.222  | 7.271  | 5.715  | 3.795  | 3.200  | 2.844  | 2.1    |
|                | TOT OBS | 294    | 283    | 310    | 300    | 310    | 300    | 310    | 31     |
| 1600           | MEAN    | 1019.2 | 1018.1 | 1015.3 | 1014.2 | 1014.6 | 1015.2 | 1015.6 | 1015.1 |
|                | SD      | 5.604  | 7.045  | 5.722  | 5.352  | 3.505  | 3.154  | 2.852  | 2.1    |
|                | TOT OBS | 294    | 283    | 310    | 300    | 310    | 300    | 310    | 31     |
| 1900           | MEAN    | 1020.0 | 1018.7 | 1016.2 | 1014.4 | 1014.5 | 1015.1 | 1015.9 | 1015.1 |
|                | SD      | 5.595  | 7.059  | 5.874  | 5.252  | 3.493  | 3.053  | 2.780  | 2.1    |
|                | TOT OBS | 295    | 283    | 310    | 300    | 307    | 300    | 310    | 31     |
| 2200           | MEAN    | 1020.5 | 1019.4 | 1017.1 | 1015.6 | 1015.7 | 1016.2 | 1017.1 | 1017.1 |
|                | SD      | 5.599  | 7.021  | 5.882  | 5.310  | 3.841  | 3.050  | 2.732  | 2.1    |
|                | TOT OBS | 294    | 283    | 310    | 277    | 305    | 300    | 310    | 31     |
| ALL<br>HOURS   | MEAN    | 1020.2 | 1019.3 | 1017.1 | 1015.3 | 1015.7 | 1016.2 | 1017.2 | 1017.1 |
|                | SD      | 5.744  | 7.231  | 7.224  | 5.532  | 3.739  | 3.312  | 2.999  | 2.1    |
|                | TOT OBS | 1779   | 1704   | 1520   | 1552   | 2135   | 2240   | 2197   | 31     |

STA LEVEL PRESSURE IN MILLIBARS  
FROM HOURLY OBSERVATIONS

5 34 PERIOD OF RECORD: JUN 78 - MAY 83

| JUN                    | JUL                    | AUG                    | SEP                    | OCT                    | NOV                    | DEC                    | ANN                      |
|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|
| 1014.5<br>.000<br>1    | 1015.1<br>.000<br>0    | 1013.5<br>1.100<br>2   | 1021.4<br>.000<br>1    | 1022.6<br>.000<br>0    | 1013.7<br>3.976<br>6   | 1015.9<br>5.350<br>2   | 1015.9<br>6.733<br>23    |
| 1015.5<br>3.718<br>279 | 1016.7<br>2.992<br>240 | 1016.7<br>2.543<br>248 | 1018.1<br>3.088<br>248 | 1019.3<br>3.779<br>241 | 1019.5<br>4.352<br>234 | 1019.7<br>5.115<br>7   | 1018.6<br>3.993<br>1591  |
| 1016.6<br>3.861<br>310 | 1017.7<br>2.748<br>308 | 1017.8<br>2.951<br>310 | 1018.7<br>3.989<br>300 | 1020.3<br>4.657<br>310 | 1020.5<br>5.701<br>300 | 1021.6<br>6.437<br>270 | 1018.6<br>5.577<br>3596  |
| 1017.3<br>4.324<br>310 | 1018.3<br>2.841<br>310 | 1018.6<br>3.022<br>310 | 1019.5<br>4.028<br>300 | 1021.2<br>4.726<br>310 | 1021.4<br>5.789<br>300 | 1023.1<br>6.433<br>270 | 1019.5<br>5.712<br>3698  |
| 1018.2<br>3.773<br>310 | 1017.7<br>2.864<br>310 | 1017.7<br>3.035<br>300 | 1018.5<br>3.019<br>300 | 1019.8<br>4.543<br>310 | 1019.9<br>5.517<br>300 | 1021.5<br>6.257<br>271 | 1018.4<br>5.445<br>3597  |
| 1018.6<br>4.558<br>310 | 1018.2<br>2.862<br>310 | 1018.0<br>3.118<br>310 | 1016.5<br>3.110<br>300 | 1018.4<br>4.487<br>310 | 1018.3<br>5.275<br>300 | 1020.4<br>5.925<br>271 | 1018.9<br>5.377<br>3598  |
| 1018.6<br>4.643<br>310 | 1018.1<br>2.789<br>310 | 1018.1<br>2.829<br>310 | 1017.1<br>3.749<br>300 | 1019.0<br>4.567<br>310 | 1019.5<br>5.103<br>300 | 1021.3<br>5.943<br>271 | 1017.3<br>5.440<br>3596  |
| 1018.7<br>4.861<br>310 | 1018.2<br>2.732<br>310 | 1017.6<br>2.883<br>310 | 1018.2<br>3.727<br>300 | 1019.8<br>4.565<br>310 | 1020.1<br>5.243<br>300 | 1021.7<br>5.957<br>271 | 1018.2<br>5.371<br>3571  |
| 1018.7<br>4.789<br>310 | 1018.2<br>2.699<br>310 | 1017.2<br>3.001<br>310 | 1018.1<br>3.053<br>300 | 1019.7<br>4.655<br>300 | 1020.0<br>5.497<br>300 | 1021.5<br>6.224<br>271 | 1018.0<br>5.445<br>23170 |

OPERATING LOCATION "B"  
USAFETAC, ASHEVILLE, NC

ALTIMETER SETTING IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DODDINS AFB GA

LST TO UTC: + 5

| HOURS<br>(LST) | STATS   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   |
|----------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0100           | MEAN    | 29.35 | 29.73 | .00   | .00   | 30.01 | .00   | 30.00 | 29.99 |
|                | SD      | .130  | .124  | .000  | .000  | .000  | .000  | .000  | .000  |
|                | TOT OBS | 7     | 3     | 0     | 0     | 1     | 0     | 1     | 0     |
| 0400           | MEAN    | 29.40 | 29.76 | .00   | 29.92 | 30.01 | 30.03 | 30.06 | 30.05 |
|                | SD      | .120  | .206  | .000  | .153  | .106  | .073  | .077  | .077  |
|                | TOT OBS | 5     | 5     | 0     | 55    | 279   | 240   | 240   | 240   |
| 0700           | MEAN    | 30.12 | 30.10 | 30.05 | 30.02 | 30.04 | 30.07 | 30.02 | 30.01 |
|                | SD      | .176  | .205  | .215  | .174  | .112  | .098  | .070  | .070  |
|                | TOT OBS | 295   | 283   | 310   | 300   | 310   | 300   | 300   | 300   |
| 1000           | MEAN    | 30.16 | 30.14 | 30.08 | 30.04 | 30.05 | 30.09 | 30.11 | 30.11 |
|                | SD      | .107  | .209  | .213  | .176  | .116  | .096  | .072  | .072  |
|                | TOT OBS | 235   | 263   | 310   | 300   | 310   | 300   | 310   | 310   |
| 1300           | MEAN    | 30.12 | 30.11 | 30.05 | 30.02 | 30.04 | 30.05 | 30.02 | 30.01 |
|                | SD      | .174  | .205  | .211  | .158  | .110  | .093  | .082  | .082  |
|                | TOT OBS | 294   | 283   | 310   | 300   | 310   | 300   | 310   | 310   |
| 1600           | MEAN    | 30.09 | 30.05 | 30.01 | 29.97 | 29.99 | 30.02 | 30.04 | 30.04 |
|                | SD      | .120  | .201  | .202  | .158  | .105  | .092  | .071  | .071  |
|                | TOT OBS | 294   | 283   | 310   | 300   | 310   | 300   | 310   | 310   |
| 1900           | MEAN    | 30.11 | 30.08 | 30.01 | 29.97 | 29.97 | 30.01 | 30.04 | 30.04 |
|                | SD      | .160  | .201  | .190  | .155  | .102  | .090  | .070  | .070  |
|                | TOT OBS | 295   | 283   | 310   | 300   | 307   | 300   | 310   | 310   |
| 2200           | MEAN    | 30.12 | 30.09 | 30.04 | 30.01 | 30.02 | 30.05 | 30.03 | 30.03 |
|                | SD      | .120  | .200  | .200  | .157  | .103  | .069  | .073  | .073  |
|                | TOT OBS | 294   | 283   | 310   | 277   | 305   | 300   | 310   | 310   |
| ALL<br>HOURS   | MEAN    | 30.12 | 30.10 | 30.04 | 30.00 | 30.02 | 30.05 | 30.07 | 30.07 |
|                | SD      | .194  | .206  | .200  | .154  | .111  | .097  | .064  | .064  |
|                | TOT OBS | 1779  | 1724  | 1500  | 1552  | 2133  | 2060  | 2117  | 2117  |

# ALTIMETER SETTING IN INCHES FROM MOUNTAIN OBSERVATIONS

STA 24 PERIOD OF RECORD: JUN. 73 - MAY 78

| MAY                  | JUN                  | JUL                  | AUG                  | SEP                   | OCT                   | NOV                   | DEC                   | ANN.                   |
|----------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| 30.01<br>.021<br>1   | .00<br>.000<br>0     | 30.00<br>.000<br>1   | 29.97<br>.030<br>2   | 30.19<br>.000<br>1    | .00<br>.000<br>0      | 30.21<br>.115<br>6    | 29.92<br>.155<br>2    | 30.01<br>.199<br>23    |
| 30.01<br>.127<br>279 | 30.03<br>.003<br>247 | 30.06<br>.077<br>243 | 30.07<br>.059<br>247 | 30.10<br>.103<br>241  | 30.12<br>.125<br>234  | 30.14<br>.151<br>7    | 30.09<br>.000<br>1    | 30.05<br>.116<br>1591  |
| 30.04<br>.110<br>310 | 30.07<br>.098<br>300 | 30.09<br>.090<br>300 | 30.10<br>.096<br>310 | 30.11<br>.114<br>300  | 30.14<br>.133<br>310  | 30.14<br>.163<br>300  | 30.17<br>.131<br>271  | 30.10<br>.158<br>3597  |
| 30.05<br>.115<br>310 | 30.09<br>.097<br>300 | 30.11<br>.090<br>310 | 30.12<br>.089<br>310 | 30.14<br>.115<br>300  | 30.17<br>.135<br>310  | 30.17<br>.156<br>300  | 30.20<br>.132<br>271  | 30.12<br>.161<br>3569  |
| 30.06<br>.110<br>310 | 30.06<br>.095<br>300 | 30.08<br>.092<br>310 | 30.09<br>.093<br>310 | 30.11<br>.112<br>300  | 30.13<br>.132<br>310  | 30.13<br>.153<br>300  | 30.16<br>.177<br>271  | 30.07<br>.156<br>3575  |
| 30.09<br>.115<br>310 | 30.02<br>.092<br>300 | 30.04<br>.091<br>310 | 30.04<br>.087<br>310 | 30.06<br>.109<br>300  | 30.09<br>.129<br>310  | 30.09<br>.152<br>300  | 30.13<br>.163<br>271  | 30.05<br>.152<br>3592  |
| 30.09<br>.117<br>317 | 30.01<br>.090<br>300 | 30.06<br>.090<br>310 | 30.04<br>.082<br>310 | 30.06<br>.107<br>300  | 30.11<br>.122<br>310  | 30.11<br>.146<br>300  | 30.15<br>.166<br>271  | 30.05<br>.152<br>3595  |
| 30.02<br>.113<br>310 | 30.05<br>.099<br>300 | 30.08<br>.079<br>310 | 30.08<br>.082<br>310 | 30.10<br>.107<br>300  | 30.13<br>.132<br>310  | 30.13<br>.150<br>300  | 30.17<br>.172<br>271  | 30.08<br>.161<br>3571  |
| 30.02<br>.111<br>310 | 30.05<br>.097<br>300 | 30.07<br>.084<br>310 | 30.08<br>.090<br>310 | 30.10<br>.113<br>2042 | 30.13<br>.133<br>2094 | 30.13<br>.153<br>1013 | 30.16<br>.176<br>1829 | 30.08<br>.155<br>23173 |



OPERATING LOCATION "A"  
USAFETAC, ASH-VILLE, NC

STATION PRESSURE IN INCHES  
FROM HOURLY OBSERVATION

STATION NUMBER: 722270

STATION NAME: DIBBINS AFB GA  
LST TO UTC: + 5

UNIT

| HOURS<br>(LST) | STATS   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG |
|----------------|---------|-------|-------|-------|-------|-------|-------|-------|-----|
| 0100           | MEAN    | 23.42 | 23.59 | .00   | .00   | 23.55 | .00   | 23.45 | .00 |
|                | SD      | .135  | .190  | .000  | .000  | .000  | .000  | .000  | .00 |
|                | TOT OBS | 7     | 3     | 0     | 0     | 1     | 0     | 1     | .00 |
| 0400           | MEAN    | 23.75 | 23.52 | .00   | 23.75 | 23.57 | 23.58 | 23.92 | .00 |
|                | SD      | .110  | .200  | .000  | .155  | .174  | .045  | .075  | .00 |
|                | TOT OBS | 8     | 3     | 0     | 35    | 274   | 240   | 243   | .00 |
| 0700           | MEAN    | 23.97 | 23.95 | 23.91 | 23.37 | 23.90 | 23.92 | 23.94 | .00 |
|                | SD      | .190  | .198  | .206  | .150  | .105  | .075  | .075  | .00 |
|                | TOT OBS | 295   | 283   | 310   | 300   | 210   | 300   | 335   | .00 |
| 1000           | MEAN    | 23.91 | 23.93 | 23.93 | 23.40 | 23.91 | 23.94 | 23.95 | .00 |
|                | SD      | .191  | .202  | .211  | .171  | .111  | .035  | .041  | .00 |
|                | TOT OBS | 295   | 283   | 310   | 300   | 310   | 300   | 315   | .00 |
| 1300           | MEAN    | 23.97 | 23.95 | 23.91 | 23.67 | 23.43 | 23.92 | 23.96 | .00 |
|                | SD      | .135  | .200  | .224  | .153  | .197  | .032  | .041  | .00 |
|                | TOT OBS | 294   | 283   | 310   | 300   | 310   | 300   | 310   | .00 |
| 1600           | MEAN    | 23.94 | 23.91 | 23.95 | 23.42 | 23.45 | 23.37 | 23.49 | .00 |
|                | SD      | .194  | .195  | .196  | .153  | .101  | .039  | .070  | .00 |
|                | TOT OBS | 294   | 283   | 310   | 300   | 310   | 300   | 310   | .00 |
| 1900           | MEAN    | 23.95 | 23.93 | 23.47 | 23.32 | 23.34 | 23.37 | 23.49 | .00 |
|                | SD      | .183  | .194  | .192  | .150  | .093  | .035  | .077  | .00 |
|                | TOT OBS | 295   | 283   | 310   | 300   | 297   | 300   | 310   | .00 |
| 2200           | MEAN    | 23.97 | 23.95 | 23.90 | 23.15 | 23.15 | 23.30 | 23.93 | .00 |
|                | SD      | .173  | .194  | .193  | .152  | .100  | .047  | .077  | .00 |
|                | TOT OBS | 294   | 283   | 310   | 277   | 295   | 300   | 310   | .00 |
| ALL<br>HOURS   | MEAN    | 23.97 | 23.95 | 23.90 | 23.25 | 23.23 | 23.90 | 23.93 | .00 |
|                | SD      | .185  | .200  | .203  | .150  | .107  | .044  | .080  | .00 |
|                | TOT OBS | 1770  | 1704  | 1350  | 1257  | 2133  | 2040  | 2107  | 211 |

STATION PRESSURE IN INCHES  
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: JUN 75 - MAY 86

| DAY                  | JUN                   | JUL                   | AUG                   | SEP                   | OCT                   | NOV                   | DEC                   | ANN                    |
|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| 28.36<br>.000<br>1   | .00<br>.000<br>0      | 28.35<br>.000<br>1    | 28.32<br>.025<br>2    | 28.04<br>.000<br>1    | .00<br>.000<br>0      | 28.95<br>.111<br>5    | 28.73<br>.150<br>2    | 28.35<br>.192<br>23    |
| 28.7<br>.174<br>277  | 28.28<br>.045<br>240  | 28.32<br>.075<br>245  | 28.32<br>.037<br>245  | 28.35<br>.105<br>241  | 28.37<br>.121<br>234  | 28.99<br>.147<br>7    | 28.94<br>.200<br>1    | 28.71<br>.112<br>1591  |
| 28.90<br>.108<br>310 | 28.72<br>.075<br>300  | 28.74<br>.077<br>305  | 28.95<br>.074<br>310  | 28.95<br>.111<br>300  | 28.99<br>.130<br>310  | 28.99<br>.159<br>300  | 28.02<br>.176<br>271  | 28.95<br>.154<br>3597  |
| 28.91<br>.111<br>310 | 28.94<br>.075<br>300  | 28.75<br>.081<br>310  | 28.97<br>.085<br>310  | 28.99<br>.112<br>300  | 28.02<br>.132<br>310  | 28.02<br>.151<br>300  | 28.05<br>.176<br>271  | 28.37<br>.157<br>3509  |
| 28.92<br>.107<br>313 | 28.32<br>.032<br>300  | 28.74<br>.081<br>310  | 28.75<br>.035<br>310  | 28.95<br>.104<br>300  | 28.95<br>.129<br>310  | 28.98<br>.155<br>300  | 28.91<br>.172<br>271  | 28.94<br>.151<br>3595  |
| 28.95<br>.101<br>310 | 28.37<br>.039<br>300  | 28.49<br>.070<br>310  | 28.90<br>.084<br>310  | 28.91<br>.105<br>300  | 28.95<br>.125<br>310  | 28.95<br>.149<br>300  | 28.93<br>.164<br>271  | 28.90<br>.145<br>3595  |
| 28.94<br>.105<br>307 | 28.37<br>.035<br>300  | 28.49<br>.077<br>310  | 28.90<br>.083<br>310  | 28.92<br>.104<br>300  | 28.95<br>.126<br>310  | 28.95<br>.142<br>300  | 28.90<br>.153<br>271  | 28.91<br>.143<br>3595  |
| 28.95<br>.103<br>305 | 28.90<br>.07<br>300   | 28.93<br>.077<br>310  | 28.93<br>.081<br>310  | 28.95<br>.104<br>300  | 28.95<br>.129<br>310  | 28.94<br>.145<br>300  | 28.91<br>.157<br>271  | 28.94<br>.147<br>3571  |
| 28.97<br>.107<br>313 | 28.90<br>.074<br>2040 | 28.93<br>.082<br>2107 | 28.93<br>.081<br>2110 | 28.95<br>.111<br>2042 | 28.94<br>.130<br>2094 | 28.93<br>.155<br>1513 | 28.91<br>.171<br>1529 | 28.93<br>.150<br>23173 |

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PART 6

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL  
PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS PER DAY.
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0000-2000).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0000-2000).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (PERCENT COMPONENT) FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLES. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE HOURLY AND SPECIAL GUST REMARKS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING HOURLY AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT OBSERVATION IN EACH OF THE SPECIFIED THRESHOLD WIND SPEED VALUES.

A TOTAL OBSERVATION COUNT IS INCLUDED.

PAGE 3

SEMI-ANNUAL SUMMARY

THE MONTHLY AND SPECIAL OBSERVATIONS (INCLUDING  
ALLS ARE SUMMARIZED AS FOLLOWS:

1. THE PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

2. ALL (YRS COMBINED).

3. THE (YRS 1900-1909) LIST COMBINED).

4. ALL (YRS COMBINED).

5. THE (YRS 1900-1909) LIST COMBINED).

6. THE (YRS 1900-1909) LIST COMBINED).

7. THE (YRS 1900-1909) LIST COMBINED).

8. THE (YRS 1900-1909) LIST COMBINED).

9. THE (YRS 1900-1909) LIST COMBINED).

10. THE (YRS 1900-1909) LIST COMBINED).

11. THE (YRS 1900-1909) LIST COMBINED).

REPORTING LOCATION NAME  
 HONOLULU, AIR VILL 100

REPORTING FREQUENCY OR ACCURACY OF DATA  
 100% (100% OF DATA)

STATION NUMBER: 722270

STATION NAME: HONOLULU AIR VILL  
 LIST TO BE: 100

.....

CATEGORY 1: ANY CHILDS IN VISIBILITY (0-100%)

CATEGORY 2: HIGHEST WINDS REPORTED (0-100%)

.....

TIME (LST)

0000 - 0400

0500 - 0900

SPOT (KTS)

0-10 10-20 20-30 30-40

0-10 10-20 20-30 30-40

100

CATEGORY 1

0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0

0.0

CATEGORY 2

17.0 17.0 17.0 17.0

17.0 17.0 17.0 17.0

17.0

.....

TIME (LST)

1000 - 1400

1500 - 1900

SPOT (KTS)

0-10 10-20 20-30 30-40

0-10 10-20 20-30 30-40

100

CATEGORY 1

0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0

0.0

CATEGORY 2

0.0 0.0 0.0 0.0

0.0 0.0 0.0 0.0

0.0

.....

TIME (LST)

0000 - 0400

SPOT (KTS)

0-10 10-20 20-30 30-40

100

CATEGORY 1

0.0 0.0 0.0 0.0

CATEGORY 2

0.0 0.0 0.0 0.0

0.0

AGENCY OF ACCOUNTING OF CROSSINGS  
FROM AIRLY GAS VATIONS

MAGNETIC RUNWAY HEADING: 109-219

AREA 5A

PERIOD OF RECORD: JUN 78 - MAY 79  
DATE: JAN

.....  
WINDING OF VISIBILITY (HOURLY AND PLY)

.....  
STATIONS REPORTED WITHIN THE AREA (HOURLIES + SPECIALS)

.....  
0000 - 0100                      0100 - 0200                      0200 - 0300

| STATION | 0000 - 0100 | 0100 - 0200 | 0200 - 0300 | 0300 - 0400 | 0400 - 0500 | 0500 - 0600 | 0600 - 0700 | 0700 - 0800 | 0800 - 0900 | 0900 - 1000 | 1000 - 1100 |
|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 0000    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 0100    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 0200    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 0300    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 0400    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 0500    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 0600    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 0700    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 0800    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 0900    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 1000    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 1100    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |

.....  
1200 - 1300                      1300 - 1400                      1400 - 1500

| STATION | 1200 - 1300 | 1300 - 1400 | 1400 - 1500 | 1500 - 1600 | 1600 - 1700 | 1700 - 1800 | 1800 - 1900 | 1900 - 2000 | 2000 - 2100 | 2100 - 2200 | 2200 - 2300 |
|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1200    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 1300    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 1400    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 1500    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 1600    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 1700    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 1800    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 1900    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 2000    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 2100    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 2200    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 2300    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |

.....  
2400 - 0100                      0100 - 0200                      0200 - 0300

| STATION | 2400 - 0100 | 0100 - 0200 | 0200 - 0300 | 0300 - 0400 | 0400 - 0500 | 0500 - 0600 | 0600 - 0700 | 0700 - 0800 | 0800 - 0900 | 0900 - 1000 | 1000 - 1100 |
|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 2400    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 0100    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 0200    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 0300    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 0400    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 0500    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 0600    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 0700    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 0800    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 0900    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 1000    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |
| 1100    | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         | 0.0         |



OPERATING LOCATION "A"  
USAFPTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722272 STATION NAME: OBSEVING AFB GA  
LST TIME: + 5

CATEGORY A: ANY CEILING OR VISIBILITY (H) (L) (V)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN (H) (L) (V)

| TIME (LST)  | 0000 - 0600 |       |       |       | 0600 - 1200 |       |       |       |
|-------------|-------------|-------|-------|-------|-------------|-------|-------|-------|
| SPEED (KTS) | 0-15        | 16-25 | 26-30 | 31-45 | 0-15        | 16-25 | 26-30 | 31-45 |
| CATEGORY A  |             |       |       | .9    | .4          |       |       | 2.1   |
| CATEGORY B  | 0.3         |       |       | 1.6   | 1.7         | .3    |       | 2.4   |

| TIME (LST)  | 1200 - 1400 |       |       |       | 1400 - 1800 |       |       |       |
|-------------|-------------|-------|-------|-------|-------------|-------|-------|-------|
| SPEED (KTS) | 0-15        | 16-25 | 26-30 | 31-45 | 0-15        | 16-25 | 26-30 | 31-45 |
| CATEGORY A  | .3          |       |       | 4.9   | .2          |       |       | .1    |
| CATEGORY B  | 3.          |       |       | 10.4  | 2.0         | .1    |       | 10.4  |

| TIME (LST)  | 0600 - 0800 |       |       |       |
|-------------|-------------|-------|-------|-------|
| SPEED (KTS) | 0-15        | 16-25 | 26-30 | 31-45 |
| CATEGORY A  | .3          |       |       | 4.4   |
| CATEGORY B  | 2.2         | .1    | .3    | 4.1   |

TENDENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-240

AF 74

PERIOD OF RECORD: JUL 73 - MAY 74  
MONTH: FEB

.....  
TILING OF VISIBILITY (HOURLY OBS ONLY)

.....  
TENDENCY REPORTED WITHIN 10 MIN (HOURLIES + SPECIALS)

.....  
0600 - 0800                      0800 - 0900                      0900 - 1100

| 0600 - 0800 | 0800 - 0900 | 0900 - 1100 | 0600 - 0800 | 0800 - 0900 | 0900 - 1100 | 0600 - 0800 | 0800 - 0900 | 0900 - 1100 |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 0.3         | 0.1         | 0.15        | 0.25        | 0.30        | 0.35        | 0.15        | 0.25        | 0.30        |
| 0.1         | 0.2         | 0.2         | 0.40        | 0.40        | 0.40        | 0.4         | 0.4         | 0.4         |
| 0.1         | 0.1         | 0.1         | 0.1         | 0.1         | 0.1         | 0.1         | 0.1         | 0.1         |

.....  
1200 - 1400                      1400 - 1600                      1600 - 1800

| 1200 - 1400 | 1400 - 1600 | 1600 - 1800 | 1200 - 1400 | 1400 - 1600 | 1600 - 1800 | 1200 - 1400 | 1400 - 1600 | 1600 - 1800 |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 0.3         | 0.1         | 0.15        | 0.25        | 0.30        | 0.35        | 0.15        | 0.25        | 0.30        |
| 0.1         | 0.2         | 0.2         | 0.40        | 0.40        | 0.40        | 0.4         | 0.4         | 0.4         |
| 0.1         | 0.1         | 0.1         | 0.1         | 0.1         | 0.1         | 0.1         | 0.1         | 0.1         |

.....  
ALL MONTHS

| ALL MONTHS | ALL MONTHS | ALL MONTHS | ALL MONTHS |
|------------|------------|------------|------------|
| 0.3        | 0.1        | 0.15       | 0.25       |
| 0.1        | 0.2        | 0.2        | 0.40       |
| 0.1        | 0.1        | 0.1        | 0.1        |

OPERATING LOCATION "A"  
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270 STATION NAME: EDWARDS AFB GA  
 LST TO UTC: + 5

CATEGORY A: ANY CEILING OR VISIBILITY (HOURS)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN 10

TIME (LST) 0000 - 0200 0300 - 0500  
 SPEED (KTS) 0-15 16-25 26-30 31-35 36-45 46-55 56-60 61-65 66-70 71-75  
 CATEGORY A . . . . . 27  
 CATEGORY B . . . . . 31

TIME (LST) 1200 - 1400 1500 - 1700  
 SPEED (KTS) 0-15 16-25 26-30 31-35 36-45 46-55 56-60 61-65 66-70 71-75  
 CATEGORY A . . . . . 33  
 CATEGORY B . . . . . 113

TIME (LST) 0600 - 0800  
 SPEED (KTS) 0-15 16-25 26-30 31-35 36-45 46-55 56-60 61-65 66-70 71-75  
 CATEGORY A . . . . . 465  
 CATEGORY B . . . . . 242

EQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADINGS: 100-280

APR 64

PERIOD OF RECORD: JUN 73 - MAY 80  
MONTH: MAR

.....  
WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0000 - 0500                      0600 - 0900                      0900 - 1100

| 0000 | 0030 | 0045 | 0515 | 0525 | 0530 | 0045 | 0515 | 0525 | 0530 | 0045 |
|------|------|------|------|------|------|------|------|------|------|------|
|      | 27   |      |      |      |      | 30   | .1   |      |      | 930  |
|      | 31   |      | .1   |      |      | 1137 | 2.3  |      |      | 1223 |

1100 - 1700                      1800 - 2000                      2100 - 2300

| 1100 | 1130 | 1145 | 1615 | 1625 | 1630 | 1145 | 1615 | 1625 | 1630 | 1145 |
|------|------|------|------|------|------|------|------|------|------|------|
|      | 000  |      | .2   |      |      | 930  | .2   |      |      | 930  |
|      | 1137 |      | 1.4  |      |      | 1072 | 1.2  | .1   |      | 1025 |

.....  
ALL HOURS

| 0000 | 0045 | 0515 | 0525 | 0530 | 0045 |
|------|------|------|------|------|------|
|      | 4650 |      | .2   |      | 5350 |
|      | 6760 |      | 2.7  | .1   | .2   |

OPERATING LOCATION "AW"  
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C  
FROM ALL ONLY OBSERVATIONS

STATION NUMBER: 722270 STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

CATEGORY A: ANY CEILING OR VISIBILITY (WHENLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN 10

| TIME (LST)  | 0000 - 0200 |      |      |     | 0300 - 0500 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | 0015        | 0025 | 0030 | 005 | 0015        | 0025 | 0030 | 005 |
| CATEGORY A  |             |      |      | 0   |             |      |      | 35  |
| CATEGORY B  |             |      |      | 0   | 1.2         |      |      | 40  |

| TIME (LST)  | 1200 - 1400 |      |      |      | 1500 - 1700 |      |      |      |
|-------------|-------------|------|------|------|-------------|------|------|------|
| SPEED (KTS) | 0015        | 0025 | 0030 | 005  | 0015        | 0025 | 0030 | 005  |
| CATEGORY A  |             |      |      | 00   | .2          |      |      | 00   |
| CATEGORY B  | 3.          |      |      | 1076 | 1.0         | .1   |      | 1071 |

| TIME (LST) | 1800 - 2000 |      |      |      |
|------------|-------------|------|------|------|
| SPEED KTS  | 0015        | 0025 | 0030 | 005  |
| CATEGORY A | .1          |      |      | 000  |
| CATEGORY B | 2.0         | .1   | .0   | 0030 |

FREQUENCY OF OCCURRENCE OF CROSSWINDS  
 FROM 4 JULY OBSERVATIONS

MAGNETIC BUZZY HEADING: 109-289

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler and Whistler (1972).

PERIOD OF RECORD: JUN 75 - MAY 84  
 UNIT: APR

#### REPORT OF VISIBILITY (IF ONLY 135 ONLY)

ITEMS ADDED WITHIN THE HOUR (BODILIES + SPECIALS)

42 - (30)

0507 - 0.00

0000 - 1100

0125 0E30 045 0716 0825 0E30 045 0716 0825 0E30 045

400 .1 100 .1 100

|      |    |      |     |    |    |      |
|------|----|------|-----|----|----|------|
| 4.03 | .0 | 1151 | 2.2 | .5 | .2 | 1115 |
|------|----|------|-----|----|----|------|

100 - 1700

1-30 - 2010

2100 - 2300

0.25 0.30 0.35 0.40 0.45 0.50 0.55 0.60 0.65 0.70 0.75 0.80 0.85 0.90 0.95 1.00

1997 767

|    |      |     |      |    |     |
|----|------|-----|------|----|-----|
| .1 | 1371 | 1.0 | 1325 | .7 | .15 |
|----|------|-----|------|----|-----|

ALL ALMS

17.15 17.25 17.30 17.35

4.1 54.23

[illegible]

OPERATING LOCATION "A"  
USAFPTAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722270 STATION NAME: DORRINS AFB GA  
LST TO UTC: + 5

.....  
CATEGORY A: ANY CEILING OR VISIBILITY (HOURS)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN 10  
.....

TIME (LST) 0000 - 0200 0300 - 0500  
SPEED (KTS) 0515 0525 0530 055 0515 0525 0530 055 0515  
CATEGORY A 3 3  
CATEGORY B 3 3

.....  
TIME (LST) 1200 - 1400 1500 - 1700  
SPEED (KTS) 0515 0525 0530 055 0515 0525 0530 055 0515  
CATEGORY A 330 .1 330  
CATEGORY B 1.2 .1 1165 1.3 1171

.....  
TIME (LST) 0800 - 1000  
SPEED KTS 0515 0525 0530 055  
CATEGORY A .0 6540  
CATEGORY B .0 .1 6540

MAGNETIC RUNWAY HEADING: 102-200

100

PERIOD OF RECORD: JUN 71 - MAY 72  
MONTH: MAY

MILEAGE OR VISIBILITY (WHICHEVER OBS ONLY)

REPORTS REPORTED WITHIN THE YEAR (REGULARS + SPECIALS)

|             |      |      |      |             |      |      |      |             |      |  |  |
|-------------|------|------|------|-------------|------|------|------|-------------|------|--|--|
| 1000 - 1099 |      |      |      | 0600 - 0699 |      |      |      | 0700 - 1199 |      |  |  |
| 0000 - 0099 | 0000 | 0015 | 0025 | 0030        | 005  | 0015 | 0025 | 0030        | 005  |  |  |
|             |      |      |      |             | 000  | .1   |      |             | 000  |  |  |
|             | 000  | .1   |      |             | 1003 | .2   |      |             | 1100 |  |  |

|             |      |      |             |      |      |             |      |      |     |     |
|-------------|------|------|-------------|------|------|-------------|------|------|-----|-----|
| 1970 - 1979 |      |      | 1800 - 2000 |      |      | 2100 - 2300 |      |      |     |     |
| 1970-1979   | 20   | 3518 | 6126        | 3530 | 106  | 3515        | 6025 | 3530 | 703 |     |
|             | 100  |      |             |      | 100  |             |      |      |     | 613 |
|             | 1171 | .3   |             |      | 1171 | .3          |      |      |     | 3+  |

|       | ALL  | 40175 |
|-------|------|-------|
| 6-8   | 9115 | 9130  |
| 454.0 | .0   | 9946  |
| 6-8   | .0   | 7179  |



OPERATING LOCATION "AM"  
USAF TAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C  
FROM 100% TO 100% (1/1/1/1)

STATION NUMBER: 722270

STATION NAME: BOBBINS AREA 64  
LST TO UTC: + 5

.....  
CATEGORY A: ANY CEILING OR VISIBILITY (1/1/1/1)

.....  
CATEGORY B: HIGHEST WINDS REPORTED (1/1/1/1)

TIME (LST)

0000 - 0200

0300 - 0500

SPEED (KTS)

0115 0125 0130 015

0115 0125 0130 015

CATEGORY A

015

CATEGORY B

015

TIME (LST)

1200 - 1400

1500 - 1700

SPEED (KTS)

0115 0125 0130 015

0115 0125 0130 015

CATEGORY A

015

015

015

CATEGORY B

015

015

015

015

TIME (LST)

1900 - 2000

SPEED (KTS)

0115 0125 0130 015

CATEGORY A

015

015

CATEGORY B

015

015

015

015

FREQUENCY OF OCCURRENCE OF CROSSWINDS  
 BY HOURLY OBSERVATIONS

MAGNETIC RUNWAY READINGS: 102-222

PERIOD OF RECORD: JUN 73 - MAY 82  
 MONTH: JUN

LIST OF VISIBILITY (HOURLY OBS ONLY)

WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| 0000 - 0500 |           |           |           |           | 0600 - 1100 |           |           |           |           |
|-------------|-----------|-----------|-----------|-----------|-------------|-----------|-----------|-----------|-----------|
| 0000-0015   | 0015-0030 | 0030-0045 | 0045-0060 | 0060-0075 | 0615-0630   | 0630-0645 | 0645-0660 | 0660-0675 | 0675-0690 |
| 000         |           |           |           | 000       |             |           |           |           | 000       |
| 000         |           | .1        |           | 1100      | .4          |           |           |           | 1107      |

| 1200 - 1700 |           |           |           |           | 1800 - 2300 |           |           |           |           |
|-------------|-----------|-----------|-----------|-----------|-------------|-----------|-----------|-----------|-----------|
| 1200-1215   | 1215-1230 | 1230-1245 | 1245-1260 | 1260-1275 | 1815-1830   | 1830-1845 | 1845-1860 | 1860-1875 | 1875-1890 |
| 000         |           | .1        |           | 000       |             |           |           |           | 000       |
| 1000        | 1.0       | .4        | .2        | 1000      | .2          |           |           |           | 127       |

| ALL HOURS |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| 0000-0015 | 0015-0030 | 0030-0045 | 0045-0060 | 0060-0075 |
| 0000      | .0        |           |           | 0000      |
| 0000      | .0        | .1        | .0        | 0700      |

OPERATING LOCATION "AM"  
 DEARBORN, MI VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
 FROM 1 ONLY 1951 DATA

STATION NUMBER: 722270

STATION NAME: DOWNS AFB GA  
 LST TO UTC: + 5

.....

CATEGORY A: ANY CEILING OR VISIBILITY (0-999)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN 1

.....

| TIME (LST)  | 0000 - 0200 |      |      |     | 0300 - 0500 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | 0015        | 0025 | 0030 | 005 | 0015        | 0025 | 0030 | 005 |
| CATEGORY A  |             |      |      | 5   |             |      |      | 5   |
| CATEGORY B  |             |      |      | 5   |             |      |      | 5   |

.....

| TIME (LST)  | 1200 - 1400 |      |      |      | 1500 - 1700 |      |      |     |
|-------------|-------------|------|------|------|-------------|------|------|-----|
| SPEED (KTS) | 0015        | 0025 | 0030 | 005  | 0015        | 0025 | 0030 | 005 |
| CATEGORY A  |             |      |      | 50   |             |      |      | 44  |
| CATEGORY B  | 1.0         |      |      | 1171 | 0.0         | 0.0  | 0.1  | 11  |

.....

| TIME (LST)  | 2000 - 2100 |      |      |      |
|-------------|-------------|------|------|------|
| SPEED (KTS) | 0015        | 0025 | 0030 | 005  |
| CATEGORY A  |             |      |      | 4545 |
| CATEGORY B  |             | 0.1  |      | 1171 |

PERIOD OF RECORD: JUN 71 - MAY 72  
 TRAIN: JUL

ALONG A DAY-TWO WEEKS IN THE FIELD (REPLACES + SPECIALS)

[illegible]

OPERATING LOCATION: MAW  
USAF TTAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM 1 JULY 1953 TO 11/1/54

STATION NUMBER: 722270 STATION NAME: ASHEVILLE  
LST TO UTC: +5

CATEGORY A: ANY CEILING OR VISIBILITY (6-11)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN 1

| TIME (LST)  | 0000 - 0200        | 0300 - 0400        |
|-------------|--------------------|--------------------|
| SPEED (KTS) | 0515 0525 0530 055 | 0515 0525 0530 055 |
| CATEGORY A  |                    |                    |
| CATEGORY B  |                    |                    |

| TIME (LST)  | 1000 - 1400        | 1500 - 1700        |
|-------------|--------------------|--------------------|
| SPEED (KTS) | 0515 0525 0530 055 | 0515 0525 0530 055 |
| CATEGORY A  |                    |                    |
| CATEGORY B  |                    |                    |

| TIME (LST) | 1800 - 2000        |
|------------|--------------------|
| SPEED KTS  | 0515 0525 0530 055 |
| CATEGORY A |                    |
| CATEGORY B |                    |



OPERATING LOCATION "A"  
USAFHTAC, ASHEVILLE-NC

PERCENTAGE FREQUENCY OF COMPLETION OF  
FROM 100% TO 0% IN 10% STEPS

STATION NUMBER: 722270 STATION NAME: DODGING AFB GA  
LST TO UTC: + 5

.....  
CATEGORY A: ANY CEILING OR VISIBILITY (0-100)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN 10  
.....

| TIME (LST)  | 0000 - 0200        | 0300 - 0500        |
|-------------|--------------------|--------------------|
| SPEED (KTS) | 0515 0525 0530 055 | 0515 0525 0530 055 |
| CATEGORY A  | 4                  | 4                  |
| CATEGORY B  | 4                  | 4                  |

| TIME (LST)  | 1200 - 1400        | 1500 - 1700        |
|-------------|--------------------|--------------------|
| SPEED (KTS) | 0515 0525 0530 055 | 0515 0525 0530 055 |
| CATEGORY A  | 400                | 400                |
| CATEGORY B  | .4 1000            | 1.0 .1 .1 100      |

| TIME (LST) | 0600 - 0800        |
|------------|--------------------|
| SPEED KTS  | 0515 0525 0530 055 |
| CATEGORY A | 4000               |
| CATEGORY B | .4 .2 .1 0000      |

INCIDENCE OF OCCURRENCE OF CROSSWINDS  
 FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADINGS: 109-290

FM 5A

PERIOD OF RECORD: JUN 73 - MAY 78  
 MONTH: SEP

.....  
 FILING OF VISIBILITY (HOURLY OBS ONLY)

.....  
 WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| 0300 - 0500 |      |      |      | 0600 - 0800 |      |      |      | 0900 - 1100 |      |      |      |
|-------------|------|------|------|-------------|------|------|------|-------------|------|------|------|
| 0315        | 0430 | 0445 | 0450 | 0615        | 0625 | 0630 | 0645 | 0815        | 0825 | 0830 | 0845 |
|             |      | 043  |      |             |      |      | 040  |             |      |      | 030  |
|             |      | 010  |      |             |      |      | 1203 |             | .2   |      | 1140 |

| 1200 - 1700 |      |      |      | 1800 - 2000 |      |      |      | 2100 - 2300 |      |      |      |
|-------------|------|------|------|-------------|------|------|------|-------------|------|------|------|
| 0425        | 0430 | 0445 | 0450 | 0615        | 0625 | 0630 | 0645 | 0815        | 0825 | 0830 | 0845 |
|             |      | 000  |      |             |      |      | 000  |             |      |      | 002  |
| .2          | .1   | 103  |      | .0          |      |      | 1203 |             |      |      | 041  |

| 2000 |      | ALL HOURS |      |      |      |
|------|------|-----------|------|------|------|
| 0425 | 0430 | 0615      | 0625 | 0630 | 0645 |
|      | 0400 |           |      |      | 0649 |
| .2   | 0656 | .3        | .0   | .0   | 0614 |



OPERATING LOCATION: WAW  
USAF TAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM DAILY OBSERVATIONS

STATION NUMBER: 722270

STATION NAME: DODDINS AFB GA

LST TO UTC: + 4

.....

CATEGORY A: ANY CEILING OR VISIBILITY (100) FT

CATEGORY B: HIGHEST WINDS REPORTED WITHIN 1000 FT

.....

| TIME (LST)  | 0000 - 0200 |      |      |     | 0400 - 0600 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE25 | GE30 | WGS | GE15        | GE25 | GE30 | WGS |
| CATEGORY A  |             |      |      | 0   |             |      |      | 941 |
| CATEGORY B  |             |      |      | 0   | .2          |      |      | 51  |

.....

| TIME (LST)  | 1200 - 1400 |      |      |      | 1600 - 1800 |      |      |      |
|-------------|-------------|------|------|------|-------------|------|------|------|
| SPEED (KTS) | GE15        | GE25 | GE30 | WGS  | GE15        | GE25 | GE30 | WGS  |
| CATEGORY A  | .1          |      |      | 930  |             |      |      | 93   |
| CATEGORY B  | .1          |      |      | 1045 | .7          |      |      | 1070 |

.....

| TIME (LST)  | 1900 - 2000 |      |      |     |
|-------------|-------------|------|------|-----|
| SPEED (KTS) | GE15        | GE25 | GE30 | WGS |
| CATEGORY A  | .1          |      |      | 950 |
| CATEGORY B  | .7          |      |      | 95  |

FLUENCY OF OCCURRENCE OF GUSTS AND  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-200

15-51

PERIOD OF RECORD: JUN 73 - MAY 84  
MONTH: OCT

.....  
FILING OF VISIBILITY (DOUBLY 0'S ONLY)

ST WINDS REPORTED WITHIN THE HOUR (DOUBLES + SPECIALS)  
.....

1400 - 1500

0800 - 0900

0900 - 1100

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 0715 | 0730 | 0745 | 0715 | 0730 | 0745 | 0715 | 0730 | 0745 | 0715 | 0730 | 0745 |
|      |      | 641  |      |      |      |      |      |      |      |      | 640  |
|      |      | 617  |      | 64   |      |      |      | 1327 |      | 1.6  | 1143 |

1600 - 1700

1800 - 2000

2100 - 2300

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 0715 | 0730 | 0745 | 0715 | 0730 | 0745 | 0715 | 0730 | 0745 | 0715 | 0730 | 0745 |
|      |      | 637  |      |      |      |      |      |      |      |      | 665  |
|      |      | 1075 |      |      |      |      |      | 1042 |      |      | 644  |

.....  
- 2000

ALL 800'S

|      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|
| 0715 | 0730 | 0745 | 0715 | 0730 | 0745 | 0715 | 0730 | 0745 |
|      |      | 6550 |      |      |      |      |      | 6856 |
|      |      | 6517 |      |      |      |      |      | 6774 |

OPERATING LOCATION NAME  
USAF-TAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
-- 100% FREQUENCY OF OCCURRENCE

STATION NUMBER: 722270 STATION NAME: DEERINGS AFB GA  
1ST IN JTC: + 5

CATEGORY A: ANY CHILDS OF VISIBILITY (CHILDS)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN 10

TIME (LST) 0000 - 0200 0200 - 0400  
SPEED (KTS) 0115 0525 0530 055 0115 0525 0530 055 0115 0525 0530 055  
CATEGORY A 17 200  
CATEGORY B 17 1.1 1.1 1.1 1.1

TIME (LST) 1200 - 1400 1400 - 1600  
SPEED (KTS) 0115 0525 0530 055 0115 0525 0530 055 0115 0525 0530 055  
CATEGORY A .1 200 .1 200  
CATEGORY B 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

TIME (LST) 0600 - 0800  
SPEED KTS 0115 0525 0530 055  
CATEGORY A .1 200  
CATEGORY B 1.1 1.1 1.1 1.1

SEQUENCY OF OCCURRENCE OF CROSSINGS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 109-280

FA 67

PERIOD OF RECORD: JUN 74 - MAY 75  
MONTH: NOV

.....  
TIME OF VISIBILITY (HOURLY OBS ONLY)

.....  
WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

.....  
0000 - 0500                      0600 - 0800                      0900 - 1100

| 0000 | 0030 | 0045 | 0615 | 0625 | 0630 | 0045 | 0615 | 0625 | 0630 | 0045 |
|------|------|------|------|------|------|------|------|------|------|------|
|      |      |      |      |      |      |      |      |      |      |      |
|      |      | 000  |      |      |      | 000  |      |      |      | 000  |
|      |      | 007  | .4   |      |      | 1000 | 1.0  | .1   |      | 1000 |

.....  
1200 - 1700                      1800 - 2000                      2100 - 2300

| 1200 | 1230 | 1245 | 1815 | 1825 | 1830 | 1245 | 1815 | 1825 | 1830 | 1245 |
|------|------|------|------|------|------|------|------|------|------|------|
|      |      |      |      |      |      |      |      |      |      |      |
|      |      | 000  |      |      |      | 000  |      |      |      | 000  |
| .1   |      | 1100 | .7   |      |      | 1070 | .3   | .1   |      | 1010 |

.....  
ALL HOURS

| 0000 | 0045 | 0615 | 0625 | 0630 | 0045 |
|------|------|------|------|------|------|
|      |      |      |      |      |      |
|      | 0000 |      | .1   |      | 0600 |
|      | 0010 | 1.1  | .0   |      | 7000 |

OPERATING LOCATION: "A"  
USAFETAC, ASH VILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF  
FROM 4 JULY TO 31 JULY

STATION NUMBER: 722270 STATION NAME: DOBBINS AFB, GA  
LST TO UTC: + 5

CATEGORY A: ANY CEILING OR VISIBILITY (0-100)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN 1

| TIME (LST)  | 0000 - 0200 |      |      |     | 0200 - 0400 |      |      |     |
|-------------|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | 0415        | 0425 | 0430 | 045 | 0415        | 0425 | 0430 | 045 |
| CATEGORY A  |             |      |      | 5   | 14          |      |      | 347 |
| CATEGORY B  |             |      |      | 5   | 2.5         |      |      | 591 |

| TIME (LST)  | 1200 - 1400 |      |      |      | 1500 - 1700 |      |      |      |
|-------------|-------------|------|------|------|-------------|------|------|------|
| SPEED (KTS) | 0415        | 0425 | 0430 | 045  | 0415        | 0425 | 0430 | 045  |
| CATEGORY A  | 1.2         |      |      | 513  | .1          |      |      | 512  |
| CATEGORY B  | 1.2         |      |      | 1094 | 1.2         |      |      | 1097 |

| TIME (LST) | 0600 - 0800 |      |      |      |
|------------|-------------|------|------|------|
| SPEED KTS  | 0415        | 0425 | 0430 | 045  |
| CATEGORY A | .1          |      |      | 4055 |
| CATEGORY B | 1.2         |      |      | 5120 |

INDEX OF COMPLAINTS OF CROSSINGS  
 (ONLY 15 MINUTES)

MAGNETIC RUNWAY BEARING: 100-2 3

PERIOD OF RECORD: JUN 72 - MAY 73  
 MONTH: DEC

.....  
 INDEX OF VISIBILITY (ONLY 15 MINUTES)

.....  
 INDEX OF COMPLAINTS WITHIN 100 YARDS (ONLY 15 MINUTES + SPECIALS)

.....  
 1000 - 1100 1100 - 1200 1200 - 1300 1300 - 1400 1400 - 1500 1500 - 1600 1600 - 1700 1700 - 1800 1800 - 1900 1900 - 2000  
 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000  
 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000  
 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000

.....  
 1000 - 1100 1100 - 1200 1200 - 1300 1300 - 1400 1400 - 1500 1500 - 1600 1600 - 1700 1700 - 1800 1800 - 1900 1900 - 2000  
 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000  
 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000  
 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000

.....  
 1000 - 1100 1100 - 1200 1200 - 1300 1300 - 1400 1400 - 1500 1500 - 1600 1600 - 1700 1700 - 1800 1800 - 1900 1900 - 2000  
 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000  
 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000  
 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000

CONFIDENTIAL - SECURITY INFORMATION

STATION NAME: DUNSMIRE AF BA  
LST ID NO: 4

CATEGORY 4: HIGHEST LEVEL OF PROTECTION

| TIME (LST)  | 2000 - 2002 |      |      | 2003 - 2004 |      |      |
|-------------|-------------|------|------|-------------|------|------|
| SPEED (KTS) | 0.15        | 0.25 | 0.30 | 0.15        | 0.15 | 0.15 |
| SAT. DEF. % | 1.0         |      | 0.7  | 0.1         |      | 0.7  |
| SAT. DEF. % | 0.1         | 0.1  | 0.1  | 0.0         | 0.0  | 0.0  |

| TIME (LST)  | 1999 - 1999 |      |      | 1999 - 1999 |      |      |
|-------------|-------------|------|------|-------------|------|------|
| SPEED (KTS) | 0.15        | 0.15 | 0.15 | 0.15        | 0.15 | 0.15 |
| DATE 1999   | 1.0         | 1.0  | 1.0  | 1.0         | 1.0  | 1.0  |
| DATE 1999   | 1.0         | 1.0  | 1.0  | 1.0         | 1.0  | 1.0  |

| TIME (LST)  | DATE = 2001 |      |      |      |
|-------------|-------------|------|------|------|
| SPEED (KTS) | 9.18        | 9.28 | 9.42 | 9.55 |
| CATEGORY A  | .1          |      |      | 9296 |
| CATEGORY    | 1.5         | .1   | .1   | 9291 |

NUMBER OF OCCURRENCES OF OFFENDING  
 (APPLY TO PATIENT)

MAGNETIC RUNWAY READINGS: 100-110

8. 3A

PERIOD OF RECORD: JUN 74 - MAY 75  
 MONTH: ALL

.....  
 LINE OF VISIBILITY (APPLY OPS ONLY)

.....  
 POINT FOR THE HIGH THE GOLF (APPLY OPS + SPECIALS)

.....  
 1000 - 1100 1100 - 1200 1200 - 1300  
 1015 1030 1045 1060 1075 1090 1105 1120 1135 1150 1165 1180 1195  
 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1  
 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7  
 14777 14777 14777 14777 14777 14777 14777 14777 14777 14777 14777 14777 14777

.....  
 1300 - 1400 1400 - 1500 1500 - 1600  
 1315 1330 1345 1360 1375 1390 1405 1420 1435 1450 1465 1480 1495  
 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1  
 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1  
 12735 12735 12735 12735 12735 12735 12735 12735 12735 12735 12735 12735 12735

.....  
 ALL HOURS  
 1015 1030 1045 1060 1075 1090 1105 1120 1135 1150 1165 1180 1195  
 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1  
 12735 12735 12735 12735 12735 12735 12735 12735 12735 12735 12735 12735 12735



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| Year | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 |      |

# DEGREE DAY SUMMARY

## DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX/MIN/2) FROM 1961 TO 1990. THE NUMBER OF DEGREE DAYS FOR EACH MONTH IS GIVEN FOR

INCLUDED WITHIN EACH SUMMARY AND STATISTICS FOR 30-YEAR PERIOD (IF AVAILABLE). THE 30-YEAR PERIOD PROVIDED ARE CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). DATA FOR CHANGE TO 1961-1990 AS SUCH AS DATA FOR 1961-1990

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE IN THESE TABLES. ASTERISKS (\*\*\*\*) DENOTE AN ENTRY CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

## HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO EACH DAY WHEN MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE" TEMPERATURE IN FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE THAT DAY IS SAID TO HAVE A HEATING DEGREE DAY.

## COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO EACH DAY WHEN TEMPERATURE RISES ABOVE A DESIGNATED "BASE" TEMPERATURE IN FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE THAT DAY IS SAID TO HAVE A COOLING DEGREE DAY.

65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE "BASE" TEMPERATURE AT WHICH (AT LEAST) HEATING/COOLING IS REQUIRED. IN OTHER CASES, IF ANY, IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR ALL STATES.

+

PAGE 1

# WIND DAY SUMMARIES

VALUES (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE  
WIND EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

WINDY AND STATISTICS BASED ON A 30-YEAR (1961-1990)  
30-YEAR PER PROVIDED AND USERS WITH A SUMMARY  
WINDY CLIMATIC PUBLICATIONS, NOTARLY THOSE  
DATA CENTER (NCEP). NOTE THAT THE 30-YEAR PER WILL  
BE AVAILABLE FOR THE YEAR 1990 HAS BEEN PROCESSED.

DATA AND MONTHS WITH A VALUE OF ZERO, APPEAR AS BLANKS  
AND (\*\*\*\*) DENOTE AN INCOMPLETE MONTH WITH A DAY (30 DAYS) THAT  
WAS NOT AUTOMATICALLY.

IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE  
WIND INDICATES "BASE TEMPERATURE" OF 65.0-65.5  
IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 62.5-65.0,  
INDICATING DEGREE DAYS.

IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE  
WIND INDICATES "BASE TEMPERATURE" OF 66.0-66.5  
IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73.5-76.0,  
INDICATING DEGREE DAYS.

IS ASSIGNED AS THE NATIONWIDE STANDARD  
WIND (AT LEAST THEORETICALLY) IN RELATIONS TO  
WINDY BASE TEMPERATURE IS 65.0 IN 1961.  
WINDY BY THE STATION, AND IS NOTED.

WINDY AVAILABLE FOR PAST TIME PERIODS.

OPERATING LOCATION "A"  
USAFETAC, ASHVILLE, NC

RELATING TO THIS CASE  
FROM 1946 TO 1967

STATION NUMBER: 722270 STATION NAME: GIBBINS AFB, GA  
EST TO UTC: + 5

| YEAR | JAN    | FEB    | MAR    | APR   | MAY   | JUN  | JUL | AUG |
|------|--------|--------|--------|-------|-------|------|-----|-----|
| 1946 |        |        |        |       |       |      |     |     |
| 1947 | 531    | 759    | 529    | 92    | 47    | 4    |     |     |
| 1948 | 368    | 428    | 329    | 71    | 10    |      |     |     |
| 1949 | 423    | 395    | 402    | 197   |       |      |     |     |
| 1950 | 324    | 422    | 477    | 248   | 4     |      |     |     |
| 1951 | 555    | 535    | 334    | 213   | 24    |      |     |     |
| 1952 | 504    | 432    | 441    | 167   | 27    |      |     |     |
| 1953 | 572    | 495    | 335    | 196   | 5     |      |     |     |
| 1954 | 537    | 445    | 414    | 74    | 113   |      |     |     |
| 1955 | 700    | 539    | 340    | 77    |       |      |     |     |
| 1956 | 753    | 432    | 373    | 205   | 14    | 7    |     |     |
| 1957 | 523    | 345    | 452    | 135   | 36    |      |     |     |
| 1958 | 334    | 501    | 504    | 161   | 31    |      |     |     |
| 1959 | 740    | 502    | 450    | 135   | 15    |      |     |     |
| 1960 | 572    | 530    | 745    | 121   | 53    |      |     |     |
| 1961 | 535    | 449    | 340    | 235   | 51    | 5    |     |     |
| 1962 | 728    | 425    | 520    | 245   | 2     |      |     |     |
| 1963 | 555    | 510    | 449    | 163   | 29    | 1    |     |     |
| SD   | 140.54 | 124.17 | 113.16 | 56.80 | 33.06 | 2.41 | .52 | 1   |

f

HEATING DEGREE DAYS  
FROM DAILY OBSERVATIONS

BASE TEMPERATURE 65

PERIOD OF RECORD: SEP 44 - DEC 62

|    | JUN  | JUL | AUG | SEP   | OCT   | NOV   | DEC    | ANN. |
|----|------|-----|-----|-------|-------|-------|--------|------|
| 1  |      |     |     | 25    | 115   | 205   | 558    | 256  |
| 2  | 4    |     |     | 5     | 191   | 321   | 559    | 2132 |
| 3  |      |     | 2   | 33    | 52    | 464   | 611    | 2861 |
| 4  |      |     |     | 15    | 57    | 554   | 755    | 2579 |
| 5  |      |     |     | 3     | 21    | 574   | 594    | 3049 |
| 6  |      |     |     |       | 265   | 424   | 598    | 3039 |
| 7  |      |     |     | 11    | 29    | 417   | 572    | 2816 |
| 8  |      |     |     |       | 122   | 504   | 549    | 3072 |
| 9  |      |     |     |       | 192   | 434   | 735    | 3041 |
| 10 | 7    |     |     | 9     | 76    | 475   | 373    | 2764 |
| 11 |      |     |     | 34    | 324   | 347   | 595    | 2800 |
| 12 |      |     |     | 2     | 144   | 315   | 721    | 3521 |
| 13 |      |     |     | 7     | 133   | 455   | 597    | 3545 |
| 14 |      |     |     | 7     | 189   | 395   | 716    | 3553 |
| 15 | 6    |     |     | 13    | 155   | 321   | 649    | 3199 |
| 16 |      |     |     | 27    | 123   | 424   | 591    | 3199 |
| 17 | 1    |     |     | 12    | 135   | 421   | 544    |      |
| 18 | 2.41 |     | .52 | 11.75 | 52.97 | 94.00 | 100.21 |      |

OPERATING LOCATION NAME  
USAF TAC, ASHVILLE- NC

COUNTING OF GREGG DAYS  
FROM JULY 1950 TO 1951

STATION NUMBER: 722270 STATION NAME: DUBBINS AFB GA  
LST TO UTC: + 5

| YEARS | JAN  | FEB | MAR   | APR   | MAY   | JUN   | JUL   |       |
|-------|------|-----|-------|-------|-------|-------|-------|-------|
| 1944  |      |     |       |       |       |       |       |       |
| 1947  |      |     |       | 30    | 140   | 310   | 100   |       |
| 1948  |      | 1   | 40    | 75    | 170   | 300   | 400   |       |
| 1949  |      |     | 15    | 13    | 135   | 337   | 470   | 400   |
| 1950  | 4    |     | 0     | 13    | 225   | 375   | 500   | 400   |
| 1951  |      |     |       | 46    | 140   | 370   | 400   | 400   |
| 1952  |      |     |       | 00    | 130   | 300   | 300   | 400   |
| 1953  |      |     | 2     | 10    | 200   | 420   | 400   | 400   |
| 1954  |      |     | 21    | 67    | 100   | 270   | 40    | 400   |
| 1955  |      |     | 30    | 67    | 200   | 210   | 400   | 400   |
| 1956  |      |     | 14    | 43    | 200   | 300   | 400   | 400   |
| 1957  |      | 1   |       | 41    | 107   | 300   | 400   | 400   |
| 1958  |      |     |       | 20    | 100   | 300   | 400   | 400   |
| 1959  |      |     |       | 30    | 200   | 300   | 400   | 400   |
| 1960  |      |     | 1     | 44    | 170   | 300   | 400   | 400   |
| 1961  |      |     | 7     | 23    | 71    | 200   | 400   | 370   |
| 1962  |      |     |       | 23    | 301   | 300   | 400   | 400   |
| MEAN  | 0    | 0   | 0     | 41    | 107   | 300   | 400   | 400   |
| SD    | 1.00 | .34 | 10.60 | 23.60 | 59.60 | 64.75 | 75.30 | 60.20 |

COUNTING DEGREE DAYS  
FROM DAILY OBSERVATIONS

BASE TEMPERATURE 55

PERIOD OF RECORD: SEP 46 - DEC 52

| STATION | JUN   | JUL   | AUG   | SEP   | OCT   | NOV  | DEC  | ANNUAL |
|---------|-------|-------|-------|-------|-------|------|------|--------|
| 1       |       |       |       | 211   | 15    | 4    |      | 230    |
| 2       | 210   | 132   |       |       |       |      |      | 515    |
| 3       | 23    | 400   | 37    | 214   | 10    | 1    |      | 1756   |
| 4       | 327   | 472   | 400   | 183   | 32    | 2    |      | 1693   |
| 5       | 375   | 506   | 353   | 205   | 49    | 5    |      | 1625   |
| 6       |       |       |       |       |       |      | 5    | 1900   |
| 7       | 373   | 451   | 505   | 215   | 71    |      |      | 1360   |
| 8       | 505   | 524   | 422   | 167   | 12    |      |      | 1455   |
| 9       | 423   | 449   | 420   | 211   | 45    |      |      | 2012   |
| 10      | 279   | 51    | 514   | 332   | 122   |      |      | 1773   |
| 11      | 312   | 447   | 474   | 233   | 45    | 7    |      |        |
| 12      |       |       |       |       |       |      |      |        |
| 13      | 245   | 439   | 452   | 189   | 35    | 1    |      | 1720   |
| 14      | 300   | 432   | 444   | 255   | 10    | 10   |      | 1512   |
| 15      | 302   | 415   | 41    | 235   | 10    | 17   |      | 1517   |
| 16      | 304   | 427   | 411   | 255   | 112   | 4    |      | 1596   |
| 17      | 309   | 431   | 437   | 255   | 91    |      |      | 1449   |
| 18      |       |       |       |       |       |      |      |        |
| 19      | 245   | 417   | 375   | 213   | 30    | 25   |      | 1400   |
| 20      | 320   | 420   | 415   | 224   | 35    |      |      | 1797   |
| 21      |       |       |       |       |       |      |      |        |
| 22      | 354   | 431   | 333   | 234   | 52    | 5    |      |        |
| 23      | 54.73 | 45.37 | 46.22 | 45.51 | 35.14 | 7.75 | 1.25 |        |



A 4 5 STATION NAME: TOMBIGBEA LA  
 CLIMATIC BRIEF (LIMITED) LATITUDE/LONGITUDE: 33 55 N 94 31 W  
 MONTHLY OBS PER: JAN 73 - MAY 88  
 SUMMARY OF DAY PER: SEP 45-JUL 47, JAN 48-MAY 88  
 MONTHS SUMMARIZED: 09-23 LST (SEP 45-JUL 47, JAN 48-JUL 88)  
 LST TO JTC: 405

| MONTH                     | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL  |
|---------------------------|-------|-------|-------|-------|-------|-------|------|
| EXTREM MAX TEMP (F)       | 73    | 79    | 85    | 91    | 94    | 100   | 107  |
| MEAN MAX TEMP (F)         | 60.0  | 64.4  | 61.9  | 71.5  | 74.7  | 81.2  | 87.1 |
| MEAN TEMP (F)             | 41.5  | 44.8  | 51.3  | 60.9  | 64.3  | 71.3  | 79.1 |
| MEAN MIN TEMP (F)         | 32.5  | 34.9  | 41.4  | 49.3  | 54.0  | 61.1  | 69.1 |
| EXTREM MIN TEMP (F)       | -4    | 2     | 10    | 24    | 38    | 48    | 56   |
| D/W TEMP GE 35 (F)        | 0     | 0     | 0     | 0     | 0     | 1     | 1    |
| D/W TEMP GE 40 (F)        | 0     | 0     | 0     | 1     | 1     | 7     | 10   |
| D/W TEMP LT 33 (F)        | 15    | 12    | 6     | 1     | 0     | 0     | 0    |
| D/W TEMP LT 25 (F)        | 7     | 4     | 1     | 0     | 0     | 0     | 0    |
| HEATING DEGREE DAYS       | 655   | 510   | 449   | 163   | 29    | 1     | 0    |
| COOLING DEGREE DAYS       | 0     | 0     | 0     | 41    | 167   | 354   | 431  |
| MEAN DOWNGIRT TEMP (F)    | 26.5  | 31.2  | 37.3  | 43.0  | 50.4  | 54.1  | 62.1 |
| MEAN WIND BULL TEMP (F)   | 35.3  | 39.3  | 45.4  | 52.7  | 61.5  | 64.7  | 71.1 |
| 99.95% WCPA (FT)          | 1450  | 1500  | 1550  | 1550  | 1300  | 1000  | 1100 |
| MEAN WIND GUST 37 LST (F) | 70.5  | 72.7  | 70.8  | 71.5  | 76.3  | 81.2  | 87.1 |
| MEAN WIND GUST 14 LST (F) | 63.2  | 62.0  | 61.5  | 67.0  | 61.4  | 64.7  | 69.1 |
| MAX 24HR PRECIP (IN)      | 4.65  | 4.40  | 4.21  | 3.14  | 4.27  | 3.25  | 2.1  |
| MAX PRECIP (IN)           | 12.55 | 11.15 | 13.33 | 12.55 | 11.35 | 10.41 | 11.0 |
| MEAN PRECIP (IN)          | 4.77  | 4.74  | 5.74  | 4.52  | 4.41  | 3.11  | 2.1  |
| MIN PRECIP (IN)           | .73   | .79   | 1.56  | .33   | .24   | .7    | .1   |
| D/W PRECIP GE .01 (IN)    | 11    | 10    | 11    | 1     | 1     | 1     | 1    |
| D/W PRECIP GE .50 (IN)    | 3     | 3     | 4     | 3     | 3     | 2     | 1    |
| MAX 24HR SNEL (IN)        | 6.0   | 4.0   | 5.2   | 1.0   | 0     | 0     | 0    |
| MAX SNEL (IN)             | 6.0   | 5.2   | 12.5  | 1.0   | 0     | 0     | 0    |
| MEAN SNEL (IN)            | .7    | .6    | .6    | .8    | .6    | .2    | .1   |
| D/W SNEL GE .1 (IN)       | 1     | 1     | 1     | 1     | 0     | 0     | 0    |
| D/W SNEL GE 1.5 (IN)      | 1     | 1     | 1     | 0     | 0     | 0     | 0    |
| MAX JULY SNO DEPTH (IN)   | 4     | 3     | 3     | 0     | 0     | 0     | 0    |
| MEAN SEC WND DIR (DEG)    | 300   | 300   | 300   | 400   | 300   | 300   | 300  |
| MEAN WND SPD (KTS)        | 6.4   | 6.3   | 5.9   | 5.5   | 4.1   | 3.0   | 3.7  |
| MAX WND SPD (KTS)         | 62    | 64    | 62    | 60    | 53    | 78    | 70   |
| SKY COVER GT 1/2 (%)      | 58.0  | 62.7  | 57.0  | 52.5  | 55.0  | 50.4  | 53.7 |
| D/W THUNDERSTORMS         | 1     | 1     | 3     | 4     | 6     | 8     | 11   |
| D/W FOG (VSBY LT 7 MI)    | 14    | 12    | 13    | 11    | 14    | 15    | 17   |

LEGEND: ANN = ANNUAL

D/W = MEAN NUMBER OF DAYS WITH

0 = BASED ON LESS THAN FULL MONTHS

\*\* = INSTANTANEOUS PEAK WINDS

\* = DATA NOT AVAILABLE

PER/YO = PERIOD/YOARS

WCPA = WINDSTORM CASE MAX

0 = LESS THAN 0.1

5 = PERCENTAGE OF

WIND 0.1

1947-31-4

1947

1947, JAN 48-MAY 48

SEP 48-JUL 49, JAN 50-JUL 50, 05-23 LST (FEB 50-MAY 50)

FIELD NO: 1000-51

STATION MNC: 722070

CALL SIGN: KMG

SUPERCEDES: MAY 48

| 1947  | MAY  | JUN   | JUL   | AUG  | SEP  | OCT  | NOV   | DEC   | ANN   | YTD |
|-------|------|-------|-------|------|------|------|-------|-------|-------|-----|
| 91    | 94   | 100   | 102   | 104  | 99   | 95   | 93    | 76    | 104   | 43  |
| 71.4  | 74.0 | 76.2  | 77.3  | 78.9 | 71.2 | 71.4 | 61.5  | 55.1  | 70.3  | 43  |
| 60.4  | 63.3 | 75.2  | 77.1  | 78.1 | 72.2 | 61.7 | 61.7  | 44.2  | 50.7  | 43  |
| 48.4  | 50.3 | 55.1  | 59.7  | 59.9 | 52.3 | 51.1 | 41.4  | 35.2  | 51.0  | 43  |
| 28    | 38   | 48    | 54    | 58   | 33   | 23   | 4     | -1    | -4    | 43  |
| 1     | 6    | 1     | 3     | 2    | 1    | 2    | 0     | 0     | 7     | 43  |
| 1     | 1    | 7     | 12    | 10   | 3    | 2    | 1     | 0     | 33    | 43  |
| 1     | 0    | 0     | 0     | 0    | 0    | 1    | 5     | 14    | 56    | 43  |
| 1     | 0    | 0     | 0     | 0    | 0    | 0    | 1     | 4     | 17    | 43  |
| 183   | 29   | 1     |       |      | 12   | 136  | 421   | 544   | 3020  | 17  |
| 41    | 187  | 304   | 431   | 433  | 234  | 52   | 5     | 2     | 1749  | 17  |
| 53.4  | 55.4 | 54.1  | 57.2  | 55.7 | 52.3 | 50.1 | 42.5  | 32.3  | 45.5  | 10  |
| 42.7  | 51.5 | 53.5  | 52.5  | 53.2 | 53.4 | 49.9 | 49.0  | 40.5  | 50.1  | 10  |
| 1840  | 1300 | 1250  | 1180  | 1220 | 1250 | 1250 | 1350  | 1350  | 1400  | 10  |
| 71.5  | 75.3 | 70.2  | 71.1  | 71.3 | 63.4 | 71.2 | 73.4  | 74.0  | 77.0  | 10  |
| 57.3  | 61.4 | 54.7  | 55.4  | 57.0 | 57.3 | 54.4 | 55.5  | 53.1  | 53.7  | 10  |
| 5.4   | 4.27 | 3.23  | 3.23  | 2.34 | 3.51 | 4.45 | 4.42  | 2.79  | 4.02  | 43  |
| 10.55 | 8.35 | 10.41 | 11.21 | 9.15 | 8.72 | 8.35 | 15.22 | 12.34 | 73.29 | 43  |
| 4.52  | 4.41 | 3.61  | 4.40  | 3.75 | 3.35 | 3.05 | 3.77  | 4.50  | 52.11 | 43  |
| 1.34  | 1.24 | 1.70  | 1.47  | 1.53 | 1.02 | 1.15 | 3     | 1.62  | 55.72 | 43  |
| 1     | 2    | 3     | 12    | 9    | 1    | 0    | 0     | 10    | 112   | 43  |
| 3     | 3    | 3     | 3     | 3    | 2    | 2    | 3     | 5     | 35    | 43  |
| 1.0   | 0    | 0     | 0     | 0    | 0    | 0    | 0.9   | 3.5   | 6.0   | 39  |
| 1.0   | 0    | 0     | 0     | 0    | 0    | 0    | 0.9   | 5.1   | 13.1  | 39  |
| 0     | 0    | 0     | 0     | 0    | 0    | 0    | 0     | 0.4   | 2.1   | 39  |
| 1     | 0    | 0     | 0     | 0    | 0    | 0    | 0     | 1     | 4     | 39  |
| 0     | 0    | 0     | 0     | 0    | 0    | 0    | 0     | 0     | 3     | 39  |
| 0     | 0    | 0     | 0     | 0    | 0    | 0    | 0     | 1     | 4     | 39  |
| 500   | 1300 | 5300  | 390   | 4300 | 1040 | 5090 | 4300  | 5300  | 5300  | 10  |
| 5.5   | 4.1  | 3.5   | 3.7   | 3.3  | 3.5  | 4.3  | 4.3   | 5.4   | 4.7   | 10  |
| 50    | 53   | 75    | 59    | 69   | 65   | 45   | 50    | 49    | 75    | 37  |
| 52.5  | 55.0 | 50.4  | 53.0  | 53.1 | 47.0 | 45.5 | 55.0  | 54.7  | 54.0  | 10  |
| 4     | 6    | 8     | 11    | 5    | 3    | 1    | 1     | 1     | 46    | 39  |
| 11    | 14   | 15    | 17    | 15   | 15   | 14   | 14    | 14    | 174   | 39  |

PER/YR = PERIOD/YEARS OF RECORD

MOPA = MEAN SEASONAL MAXIMUM PRESSURE ALTITUDE

0 = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE

5 = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND VELOCITY

|   |  | PERCENT OCCURRENCE BY MONTH |      |       |      |      |      |      |
|---|--|-----------------------------|------|-------|------|------|------|------|
|   |  | MONTH                       | JAN  | FEB   | MAR  | APR  | MAY  | JUN  |
|   |  | 00 - 04                     | *    | *     | *    | *    | *    | *    |
|   |  | 05 - 09                     | 31.5 | 30.2  | 29.2 | 17.7 | 17.2 | 18.1 |
|   |  | 10 - 14                     | 34.2 | 34.2  | 28.2 | 11.3 | 21.3 | 23.2 |
|   |  | 15 - 19                     | 34.5 | 34.4  | 27.9 | 20.8 | 20.4 | 21.2 |
|   |  | 20 - 24                     | 30.2 | 31.4  | 21.5 | 18.3 | 14.1 | 10.7 |
|   |  | 25 - 29                     | 25.3 | 26.5  | 15.7 | 13.2 | 8.4  | 5.7  |
|   |  | 30 - 34                     | 24.8 | 24.3  | 13.8 | 10.4 | 5.3  | 3.9  |
|   |  | 35 - 39                     | 25.5 | 24.4  | 14.7 | 15.5 | 8.7  | 5.2  |
|   |  | ALL                         | 29.5 | 29.3  | 20.8 | 15.2 | 13.2 | 12.5 |
|   |  | 00 - 04                     | *    | *     | *    | *    | *    | *    |
|   |  | 05 - 09                     | 22.7 | 22.7  | 18.5 | 11.3 | 13.5 | 13.2 |
|   |  | 10 - 14                     | 25.2 | 24.5  | 20.5 | 15.2 | 17.7 | 19.2 |
|   |  | 15 - 19                     | 24.7 | 23.7  | 18.5 | 13.1 | 17.7 | 11.4 |
|   |  | 20 - 24                     | 19.5 | 20.3  | 12.5 | 8.4  | 5.3  | 3.9  |
|   |  | 25 - 29                     | 17.9 | 17.9  | 9.8  | 6.4  | 3.5  | 1.9  |
|   |  | 30 - 34                     | 16.2 | 17.3  | 8.4  | 6.4  | 3.4  | 1.5  |
|   |  | 35 - 39                     | 17.2 | 17.7  | 10.1 | 7.3  | 2.2  | 2.2  |
|   |  | ALL                         | 20.2 | 20.1  | 13.5 | 8.5  | 7.7  | 11.2 |
|   |  | 00 - 04                     | *    | *     | *    | *    | *    | *    |
|   |  | 05 - 09                     | 19.2 | 17.0  | 14.7 | 8.1  | 11.2 | 10.4 |
|   |  | 10 - 14                     | 20.2 | 21.1  | 16.3 | 12.7 | 12.7 | 13.3 |
|   |  | 15 - 19                     | 13.9 | 20.1  | 13.5 | 8.7  | 7.4  | 6.2  |
|   |  | 20 - 24                     | 15.2 | 14.5  | 7.2  | 6.2  | 3.7  | 1.9  |
|   |  | 25 - 29                     | 13.5 | 12.7  | 5.3  | 4.6  | 2.1  | 1.2  |
|   |  | 30 - 34                     | 12.2 | 14.3  | 7.3  | 3.9  | 1.8  | 1.0  |
|   |  | 35 - 39                     | 14.2 | 14.4  | 7.2  | 4.4  | 2.0  | 1.2  |
|   |  | ALL                         | 15.1 | 15.2  | 9.7  | 6.4  | 5.3  | 4.7  |
|   |  | 00 - 04                     | *    | *     | *    | *    | *    | *    |
|   |  | 05 - 09                     | 2.5  | 1.2   | 2.5  | 1.1  | 1.4  | 1.1  |
|   |  | 10 - 14                     | 2.5  | 3.3   | 2.7  | 1.3  | 1.3  | 1.7  |
|   |  | 15 - 19                     | 2.4  | 1.0   | 1.4  | 1.2  | 1.3  | 1.2  |
|   |  | 20 - 24                     | 1.2  | 1.3   | 1.3  | 1.3  | 1.1  | 1.1  |
|   |  | 25 - 29                     | 1.4  | 1.4   | 1.3  | 1.2  | 1.1  | 1.1  |
|   |  | 30 - 34                     | 2.0  | 1.0   | 1.0  | 1.1  | 1.1  | 1.1  |
|   |  | 35 - 39                     | 2.7  | 1.1   | 1.0  | 1.3  | 1.1  | 1.1  |
|   |  | ALL                         | 2.1  | 1.5   | 1.0  | 1.4  | 1.3  | 1.2  |
| HURRICANE/TROPICAL STORMS OBSERVED FOR THE PERIOD : 1900 - 1999 |  |                             |      |       |      |      |      |      |
|   |  | HRTS                        | JAN  | FEB   | MAR  | APR  | MAY  | JUN  |
|   |  | 0000                        | 0/0  | 0/0   | 0/0  | 0/0  | 0/0  | 0/0  |
|   |  | 1200                        | 0/0  | 0/0   | 0/0  | 0/0  | 0/0  | 0/0  |
|   |  | 2400                        | 0/0  | 0/0   | 0/0  | 0/0  | 0/0  | 0/0  |
|   |  | HRTS                        | JUL  | AUG   | SEP  | OCT  | NOV  | DEC  |
|   |  | 0000                        | 0/0  | 0/0   | 1/3  | 0/0  | 0/0  | 0/0  |
|   |  | 1200                        | 0/0  | 1/7   | 1/7  | 1/3  | 0/0  | 0/0  |
|   |  | 2400                        | 3/3  | 12/12 | 2/22 | 3/15 | 1/1  | 1/1  |

.....  
 FANT OCCURRENCE FREQUENCY OF CHILLING AND VISIBILITY  
 APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB

| APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | JAN  | FEB |
|------|------|------|------|------|------|------|------|------|------|-----|
| 17.7 | 17.2 | 18.1 | 17.8 | 20.6 | 22.2 | 20.5 | 32.1 | 22.5 | 25.5 | 10  |
| 21.3 | 21.3 | 22.9 | 26.1 | 31.3 | 27.2 | 22.2 | 35.3 | 31.5 | 22.7 | 11  |
| 20.2 | 20.4 | 21.0 | 23.0 | 22.5 | 25.0 | 25.4 | 35.6 | 31.4 | 26.7 | 13  |
| 18.8 | 14.1 | 10.3 | 14.0 | 12.2 | 17.1 | 13.4 | 20.3 | 25.5 | 20.4 | 10  |
| 13.3 | 7.4  | 4.0  | .1   | 4.6  | 11.3 | 14.1 | 23.0 | 20.7 | 18.0 | 10  |
| 12.4 | 5.5  | 3.9  | 1.3  | 4.2  | 0.9  | 11.2 | 21.1 | 18.5 | 12.9 | 10  |
| 17.2 | 5.7  | 1.1  | 7.2  | 5.6  | 10.0 | 15.5 | 22.2 | 18.3 | 14.2 | 10  |
| 15.3 | 13.3 | 12.5 | 15.1 | 14.7 | 17.5 | 19.6 | 25.3 | 25.1 | 23.0 | 10  |
| 11.0 | 13.5 | 15.0 | 17.7 | 17.5 | 15.2 | 17.5 | 25.6 | 22.2 | 18.5 | 10  |
| 15.2 | 17.7 | 12.7 | 24.5 | 23.6 | 24.2 | 24.4 | 25.5 | 24.0 | 23.2 | 10  |
| 13.2 | 12.7 | 11.4 | 17.1 | 13.1 | 15.3 | 20.2 | 25.3 | 24.1 | 18.7 | 10  |
| 5.8  | 3.3  | 3.4  | 5.2  | 3.3  | 2.7  | 12.3 | 19.4 | 17.2 | 11.5 | 10  |
| 5.4  | 3.5  | 1.9  | 4.2  | 1.3  | 7.1  | 10.5 | 14.4 | 13.5 | 3.9  | 10  |
| 5.4  | 3.4  | 1.5  | 3.7  | 1.0  | 5.7  | 9.1  | 12.2 | 13.5 | 1.2  | 10  |
| 7.0  | 2.2  | 2.3  | 1.1  | 4.0  | 7.5  | 11.0 | 15.5 | 14.3 | 2.5  | 10  |
| 5.5  | 1.7  | 7.7  | 11.2 | 3.9  | 13.1 | 15.2 | 20.1 | 17.0 | 15.2 | 10  |
| 5.1  | 11.0 | 12.4 | 12.0 | 12.0 | 14.5 | 13.3 | 23.9 | 13.3 | 14.5 | 10  |
| 12.5 | 12.7 | 13.9 | 17.5 | 15.7 | 21.0 | 17.5 | 24.2 | 20.5 | 17.5 | 10  |
| 7.4  | 6.7  | 5.7  | 5.7  | 5.7  | 12.0 | 11.5 | 23.1 | 20.2 | 13.1 | 10  |
| 5.2  | 5.7  | 1.5  | 1.5  | 1.3  | 5.5  | 2.5  | 13.5 | 12.7 | 7.7  | 10  |
| 4.0  | 2.2  | .7   | 2.2  | 1.0  | 4.3  | 7.7  | 11.2 | 11.3 | 5.5  | 10  |
| 3.5  | 1.9  | .0   | 1.5  | 1.1  | 4.4  | 7.7  | 11.4 | 11.5 | 6.5  | 10  |
| 5.1  | 2.0  | 1.2  | 2.1  | 2.2  | .5   | 3.0  | 11.0 | 11.2 | 7.1  | 10  |
| 5.4  | 5.2  | 4.5  | 7.2  | 2.1  | 2.4  | 11.5 | 15.7 | 14.2 | 10.2 | 10  |
| 1.1  | .4   | .0   | 1.5  | .7   | 1.1  | 2.5  | 3.2  | 3.7  | 1.0  | 10  |
| .3   | 1.0  | .7   | .6   | 1.1  | 1.2  | 3.2  | 3.9  | 3.2  | 2.6  | 10  |
| .2   | .0   | .0   | .1   | .0   | .0   | 1.3  | 1.1  | 2.2  | .5   | 10  |
| .3   | .1   | .0   | .0   | .0   | .0   | .5   | .3   | .7   | .4   | 10  |
| .2   | .1   | .1   | .1   | .1   | .1   | .3   | .4   | 1.0  | .6   | 10  |
| .2   | .1   | .2   | .1   | .0   | .0   | .5   | 1.2  | 1.5  | .8   | 10  |
| .1   | .0   | .0   | .5   | .0   | .0   | .5   | 1.4  | 1.0  | .7   | 10  |
| .4   | .3   | .2   | .2   | .3   | .4   | 1.3  | 1.3  | 1.0  | .9   | 10  |

.....  
 1961-1962 : 1960 - 1961

|     | APR | MAY | JUN  |
|-----|-----|-----|------|
| 7/5 | 5/5 | 5/5 | 5/1  |
| 7/6 | 5/5 | 5/5 | 5/4  |
| 7/7 | 5/5 | 5/5 | 2/12 |

|     | APR | MAY | JUN | JUL |
|-----|-----|-----|-----|-----|
| 7/5 | 5/5 | 5/5 | 5/5 | 5/5 |
| 7/6 | 5/5 | 5/5 | 5/5 | 5/5 |
| 7/7 | 5/5 | 5/5 | 5/5 | 5/5 |
| 7/8 | 5/5 | 5/5 | 5/5 | 5/5 |

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